PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Information Science

Name of the Department: Bachelor of Computer Application

Area of Specialization: Digital Forensic, and Cyber Crime

Name of the Faculty Member:Ms. Alina Raheen,Assistant Professor, CSE

Tile of the Value Added Course: Digital Forensic and Cyber Crime

Course Duration: [30 hours] [From July22 to August31]

Course Code: CSEV256

Introduction to the Course: This course intends to know various types of cyber crime, Computer forensics and its importance, Preparing a Computer Investigation , Assessing the Case ,Planning Your Investigation, Securing Your Evidence,Procedures for Corporate High-Tech Investigations, Completing the Case, Determining the Best Acquisition Method and how to use acquisition tools, Determine what data to analyze in a digital forensics investigation, How to do the E-mail Investigations

Prerequisites: Basics of file system.

Course Outcomes: On successful completion of the course the students shall be able to :

01: To understand the cyber crime and Computer forensics

02. To understand Preparing a Computer Investigation

03. Analyze type of digital forensics investigation

04. To apply digital forensic technique for E-mail Investigations

Course Content

Module 1: Introduction: Understanding Cyber Crime

1. **Overview, Crime Types, Computer forensics and its importance**
2. **Types of data, Forensic process, Legal aspects of computer forensics**
3. **Understanding Computer Forensics**

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4. **Computer Forensics Versus other related disciplines**
5. **A brief history of computer forensics** **[6Hours]**

Module 2:Preparing a Computer Investigation

1. **Preparing a Computer Investigation**
2. **An Overview of a Computer Crime**
3. **Taking a Systematic Approach**
4. **Assessing the Case**
5. **Planning Your Investigation**
6. **Securing Your Evidence**
7. **Procedures for Corporate High-Tech Investigations**
8. **Completing the Case** **[8hours]**

Module 3: Data Acquisition

1. **Understanding Storage Formats for Digital Evidence**
2. **Advanced Forensics Format**
3. **Determining the Best Acquisition Method**
4. **Describe contingency planning for data acquisitions**
5. **Explain how to use acquisition tools**

Computer Forensics Analysis and Validation

1. **Determine what data to analyze in a digital forensics investigation** **[8 hours]**

Module 4:E-mail Investigations

1. **Explain the role of e-mail in investigations**
2. **Describe client and server roles in e-mail**
3. **Describe tasks in investigating e-mail crimes and violations**
4. **Explain the use of e-mail server logs**
5. **Describe some available e-mail computer forensics tools** **[8 hours]**

Name &Signature of the Faculty Member

PRESIDENCY UNIVERSITY BANGALORE IQAC

Approval by Program Head

REGISTRAR

PRESIDENCY UNIVERSITY BANGALORE Registrar

Presidency University, Bengaluru

Value Added Course Attendence

School of Information Science

Course Code :	CSEV256			2021-2022
Course Name :	Digital forensics and cyber crime			Even Semester

S. No	Roll No	Name	No of classes conducted	Percentage of Attende	Eligible for Certificate (Y/N)
1	20211BCA0001	AKSHAY B L	30	P	N
2	20211BCA0003	ANGEL BLESSY	30	P	N
3	20211BCA0004	AYMAN ABBAS	30	P	N
4	20211BCA0006	DEBANUJ DAS	30	P	Y
5	20211BCA0007	DEBJYOTI MUKHERJEE	30	P	Y
6	20211BCA0008	DIGANTH H V	30	P	N
7	20211BCA0009	GIRISH KUMAR	30	P	N
8	20211BCA0010	GODINA GEETHIKA	30	P	Y
9	20211BCA0011	GOPALAKRISHNAN R J	30	P	Y
10	20211BCA0012	HEMANTH B	30	P	Y
11	20211BCA0013	HEMANTH REDDY KESALAM	30	P	Y
12	20211BCA0014	ISHITA SINGH	30	P	N
13	20211BCA0015	JAGAJETTI NANDEESHWARAREDDY SHIVAREDDY	30	P	Y
14	20211BCA0016	KEERTHANA S	30	P	Y
15	20211BCA0017	M AKSHAY PRADEEP	30	P	N
16	20211BCA0018	MAHABOOB BASHA R	30	P	Y
17	20211BCA0019	MANDIRA D N	30	P	N
18	20211BCA0020	MANNE VAMSHI	30	P	Y
19	20211BCA0021	MURAHARI SHIVA JYOTHI	30	P	Y
20	20211BCA0023	NABILA NAUSHEEN	30	P	Y
21	20211BCA0025	NARESH KUMAR	30	P	Y
22	20211BCA0026	NEHA DINESH NAIK	30	P	Y
23	20211BCA0027	NIKHIL	30	P	Y
24	20211BCA0028	NOITIK BHATTACHARYA	30	P	Y
25	20211BCA0030	REESHAB KAR	30	P	N
26	20211BCA0031	RIYA VILAS MITHARI	30	P	Y
27	20211BCA0032	SANNIDHI PADMA PRASUNA	30	P	Y
28	20211BCA0033	SHASHI KUMAR A	30	P	N
29	20211BCA0034	SIDDHARTH TEWARI	30	P	Y
30	20211BCA0035	SIDDHARTHA SINGH	30	P	N
31	20211BCA0036	SRIHARI P R	30	P	Y
32	20211BCA0037	SUGAM RAJESH NAYAK	30	P	Y

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33	20211BCA0038	TUSHAR TRIKHA	30	P	N
34	20211BCA0039	V SAI SARAYU	30	P	Y
35	20211BCA0040	YUVARANI B	30	P	N
36	20211BCA0041	ASWIN K	30	P	N
37	20211BCA0042	ARVIN SALESH	30	P	N
38	20211BCA0043	RITHIK KUMAR	30	P	Y
39	20211BCA0044	PEDARASI SREYANWIKA	30	P	Y
40	20211BCA0045	NIZIYA SAM	30	P	Y
41	20211BCA0046	LEYAN FAIZAL	30	P	N
42	20211BCA0047	AKHIL KUMAR JHA	30	P	Y
43	20211BCA0048	ANKIT PANDEY	30	P	N
44	20211BCA0049	SHASHANK K	30	P	Y
45	20211BCA0050	DAIVEEK SHAJI	30	P	N
46	20211BCA0051	SHASHANK KUMAR	30	P	Y
47	20211BCA0052	ROHIT KUMAR	30	P	Y
48	20211BCA0053	MUFASALI K P	30	A	N
49	20211BCA0054	ROHAN SHARMA	30	A	Y
50	20211BCA0055	VITISH BHARDWAJ	30	P	Y
51	20211BCA0056	MADHUSUDHAN J VAGALE	30	P	N
52	20211BCA0057	MOHAMED NAYEEM	30	P	N
53	20211BCA0058	AHANA KAUR	30	A	N
54	20211BCA0059	ALAVALAPATI PUJITHA	30	P	Y
55	20211BCA0060	ANJALI GUPTA	30	P	Y
56	20211BCA0061	BIKRAMJIT DAS	30	P	Y
57	20211BCA0062	JEEVITHA. V	30	P	N
58	20211BCA0063	JYOTI KUMARI MUNDA	30	A	Y
59	20211BCA0064	KASHISH AWASTHI	30	P	Y
60	20211BCA0066	MANASA S	30	P	Y
61	20211BCA0067	PASALA DEEPTHI	30	P	Y
62	20211BCA0068	PURAB BHUWALKA	30	P	N
63	20211BCA0069	RAJESH PRASAD	30	P	Y
64	20211BCA0070	SAKSHEY RANA	30	P	N
65	20211BCA0072	SITHIN SURESH KAPPARATH	30	P	Y
66	20211BCA0074	VIVEK KUMAR	30	A	N
67	20211BCA0075	AAKASH P R	30	P	N
68	20211BCA0076	CHUKKA VIGNESH	30	P	Y
69	20211BCA0077	BAKHTYAARALI AKBARALI SYED	30	P	N
70	20211BCA0079	JEEVAN BABU K B	30	P	Y
71	20211BCA0080	LAKSH DHIMAN	30	P	N
72	20211BCA0082	PONNAPATI KEERTHI REDDY	30	P	Y
73	20211BCA0084	SINDALURI NAVYA SREE	30	P	Y

74	20211BCA0086	KUMAR DIBYANSH	30	P	Y
75	20211BCA0087	VARSHITHA P	30	P	Y
76	20211BCA0088	RAZI ASHRAF	30	P	N
77	20211BCA0089	PAMIDIMARRI PREM KUMAR	30	P	Y
78	20211BCA0090	AMULYA K	30	P	Y
79	20211BCA0091	J JEBESTIAN	30	P	N

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Value Added Course Marksheet

School of Informaation Science

Course Code :	**CSEV256**	**Academic Year :**	**2021-2022**
Course Name :	**Digital forensics and cyber crime**	**Semester :**	**Even Semester**
		Instructor-in-Charge Name :	**Mr.Jobin Thomas**
		Instructor-in-Charge Employee ID :	**Ms. Alina Raheen**

S. No	Roll No	Name	School (e.g. SoE/SoL etc)	Attendance (in %)	Marks (100)	Eligible for Certificate (Y/N)	Remark
1	20211BCA0001	AKSHAY B L	SOIS	0.2	0	N	NA
2	20211BCA0003	ANGEL BLESSY	SOIS	0	0	N	NA
3	20211BCA0004	AYMAN ABBAS	SOIS	0	0	N	NA
4	20211BCA0006	DEBANUJ DAS	SOIS	0.6	56	Y	NA
5	20211BCA0007	DEBJYOTI MUKHERJEE	SOIS	0.7	68	Y	NA
6	20211BCA0008	DIGANTH H V	SOIS	0.2	0	N	NA
7	20211BCA0009	GIRISH KUMAR	SOIS	0	0	N	NA
8	20211BCA0010	GODINA GEETHIKA	SOIS	0.75	42	Y	NA
9	20211BCA0011	GOPALAKRISHNAN R J	SOIS	0.8	66	Y	NA
10	20211BCA0012	HEMANTH B	SOIS	0.75	30	Y	NA
11	20211BCA0013	HEMANTH REDDY KESALAM	SOIS	0.78	64	Y	NA
12	20211BCA0014	ISHITA SINGH	SOIS	0	0	N	NA
13	20211BCA0015	JAGAJETTI NANDEESHWARAREDDY SHIVAREDDY	SOIS	0.55	30	Y	NA
14	20211BCA0016	KEERTHANA S	SOIS	0.68	48	Y	NA
15	20211BCA0017	M AKSHAY PRADEEP	SOIS	0	0	N	NA
16	20211BCA0018	MAHABOOB BASHA R	SOIS	0.74	52	Y	NA
17	20211BCA0019	MANDIRA D N	SOIS	0	0	N	NA

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18	20211BCA0020	MANNE VAMSHI	SOIS	0.58	34	Y	NA
19	20211BCA0021	MURAHARI SHIVA JYOTHI	SOIS	0.59	38	Y	NA
20	20211BCA0023	NABILA NAUSHEEN	SOIS	0.9	84	Y	NA
21	20211BCA0025	NARESH KUMAR	SOIS	0.7	30	Y	NA
22	20211BCA0026	NEHA DINESH NAIK	SOIS	0.88	60	Y	NA
23	20211BCA0027	NIKHIL	SOIS	0.77	52	Y	NA
24	20211BCA0028	NOITIK BHATTACHARYA	SOIS	0.83	62	Y	NA
25	20211BCA0030	REESHAB KAR	SOIS	0	0	N	NA
26	20211BCA0031	RIYA VILAS MITHARI	SOIS	0.66	44	Y	NA
27	20211BCA0032	SANNIDHI PADMA PRASUNA	SOIS	0.71	54	Y	NA
28	20211BCA0033	SHASHI KUMAR A	SOIS	0.15	0	N	NA
29	20211BCA0034	SIDDHARTH TEWARI	SOIS	0.75	54	Y	NA
30	20211BCA0035	SIDDHARTHA SINGH	SOIS	0.16	0	N	NA
31	20211BCA0036	SRIHARI P R	SOIS	0.56	38	Y	NA
32	20211BCA0037	SUGAM RAJESH NAYAK	SOIS	0.68	56	Y	NA
33	20211BCA0038	TUSHAR TRIKHA	SOIS	0.14	0	N	NA
34	20211BCA0039	V SAI SARAYU	SOIS	0.86	62	Y	NA
35	20211BCA0040	YUVARANI B	SOIS	0	0	N	NA
36	20211BCA0041	ASWIN K	SOIS	0.28	14	N	NA
37	20211BCA0042	ARVIN SALESH	SOIS	0	0	N	NA
38	20211BCA0043	RITHIK KUMAR	SOIS	0.76	58	Y	NA
39	20211BCA0044	PEDARASI SREYANWIKA	SOIS	0.82	64	Y	NA
40	20211BCA0045	NIZIYA SAM	SOIS	0.88	64	Y	NA
41	20211BCA0046	LEYAN FAIZAL	SOIS	0	0	N	NA
42	20211BCA0047	AKHIL KUMAR JHA	SOIS	0.91	76	Y	NA
43	20211BCA0048	ANKIT PANDEY	SOIS	0	0	N	NA
44	20211BCA0049	SHASHANK K	SOIS	0.68	56	Y	NA
45	20211BCA0050	DAIVEEK SHAJI	SOIS	0	0	N	NA
46	20211BCA0051	SHASHANK KUMAR	SOIS	0.78	76	Y	NA
47	20211BCA0052	ROHIT KUMAR	SOIS	0.78	62	Y	NA
48	20211BCA0053	MUFASALI K P	SOIS	0	0	N	NA
49	20211BCA0054	ROHAN SHARMA	SOIS	0.65	60	Y	NA
50	20211BCA0055	VITISH BHARDWAJ	SOIS	0.68	60	Y	NA
51	20211BCA0056	MADHUSUDHAN J VAGALE	SOIS	0.35	0	N	NA
52	20211BCA0057	MOHAMED NAYEEM	SOIS	0.24	0	N	NA
53	20211BCA0058	AHANA KAUR	SOIS	0.24	0	N	NA
54	20211BCA0059	ALAVALAPATI PUJITHA	SOIS	0.98	46	Y	NA
55	20211BCA0060	ANJALI GUPTA	SOIS	0.97	60	Y	NA
56	20211BCA0061	BIKRAMJIT DAS	SOIS	0.69	48	Y	NA
57	20211BCA0062	JEEVITHA V	SOIS	54	0	N	NA

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58	20211BCA0063	JYOTI KUMARI MUNDA	SOIS	75	52	Y	NA
59	20211BCA0064	KASHISH AWASTHI	SOIS	65	60	Y	NA
60	20211BCA0066	MANASA S	SOIS	75	70	Y	NA
61	20211BCA0067	PASALA DEEPTHI	SOIS	78	56	Y	NA
62	20211BCA0068	PURAB BHUWALKA	SOIS	0	0	N	NA
63	20211BCA0069	RAJESH PRASAD	SOIS	80	72	Y	NA
64	20211BCA0070	SAKSHEY RANA	SOIS	0	0	N	NA
65	20211BCA0072	SITHIN SURESH KAPPARATH	SOIS	84	58	Y	NA
66	20211BCA0074	VIVEK KUMAR	SOIS	0	0	N	NA
67	20211BCA0075	AAKASH P R	SOIS	15	0	N	NA
68	20211BCA0076	CHUKKA VIGNESH	SOIS	62	52	Y	NA
69	20211BCA0077	BAKHTYAARALI AKBARALI SYED	SOIS	0	0	N	NA
70	20211BCA0079	JEEVAN BABU K B	SOIS	98	62	Y	NA
71	20211BCA0080	LAKSH DHIMAN	SOIS	0	0	N	NA
72	20211BCA0082	PONNAPATI KEERTHI REDDY	SOIS	69	56	Y	NA
73	20211BCA0084	SINDALURI NAVYA SREE	SOIS	79	54	Y	NA
74	20211BCA0086	KUMAR DIBYANSH	SOIS	55	46	Y	NA
75	20211BCA0087	VARSHITHA P	SOIS	67	52	Y	NA
76	20211BCA0088	RAZI ASHRAF	SOIS	0	0	N	NA
77	20211BCA0089	PAMIDIMARRI PREM KUMAR	SOIS	0.58	42	Y	NA
78	20211BCA0090	AMULYA K	SOIS	0.64	42	Y	NA
79	20211BCA0091	J JEBESTIAN	SOIS	0	0	N	NA

Name of Course Instructor 1: **Ms. Alina Raheen**

Signature of Instructor-in-Charge

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PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Information Science

Name of the Department: Bachelor of Computer Application

Area of Specialization: User Interface and Design Principles

Name of the Faculty Member: Ms.B.Parkavi,Assistant Professor, CSE

Tile of the Value Added Course: User Interface and Design Principles

Course Duration: [30 hours] [From July22 to August22]

Course Code: [*Will assign after acceptance of titles]*

Introduction to the Course:

This course intends to know various types of human computer interaction,obstacles in human characteristics for designing website. This course covers basic concepts of human consideration in designing screen.This course covers how to design menu,format menu,menu choice and navigating menus.

Prerequisites: Basic definition of component,controls and menu.

Course Outcomes: On successful completion of the course the students shall be able to :

01: To understand the concept of graphics interface and web interface

02. To understand how to create menu,formatting menu,navigating menus

03. To gain knowledge on different types of controls,text boxes

04. To apply guidance and assistance for web pages.

Course Content

Module 1: Introduction

1. **Human Computer Interaction**
2. **Characteristics of graphical interface**
3. **Web user interface princples**

[6Hours]

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Module 2:Human Consideration in screen designing

1.Obstacles in designing web interface
2.Human Interaction Speed
3.Structure of Menus
4.Functions of Menus
5.formating menus
6.Navigating menus **[10hours]**

Module 3: Windows controls **[6 hours]**

1.Characteristics Components

2.Presentation Styles

3.Web Systems

4.Device Based Controls ,Screen Based Controls , Operate Control,Text Boxes, Selection ControlCombination Control,Custom Control,Presentation Control.

Module 4:

1.Text For Web Pages

2.Effective Feedback

3.Guidance & Assistance
4. Accesssibility

5.Icons,Image,Multimedia,Coloring,Prototypes , Kinds Of Tests,Retest,Information Search Visualization ,Hypermedia ,WWW,Software Tools[8 hours]

Ms.B.Parkavi

Name &Signature of the Faculty Member **Approval by Program Head**

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Presidency University, Bengaluru

Value Added Course Attendence

School of Information Sceince

Course Code :	CSEV300			2021-2022
Course Name :	Understanding Social Influence Using Network Science			Even Semester

S. No	Roll No	Name	Total No of classes conducted	Percentage of Attendence	Eligible for Certificate (Y/N)
1	20191BCA0001	Aafreen Firoz	30	76	YES
2	20191BCA0003	Abhishek Adhikari	30	87.5	YES
3	20191BCA0004	Abhishek Gautam	30	75	YES
4	20191BCA0005	Aditya Venkatasundaram	30	100	YES
5	20191BCA0006	Anmol Vashishth	30	75	YES
6	20191BCA0007	Ayush Kumar	30	75	YES
7	20191BCA0008	Divyashree S	30	87.5	YES
8	20191BCA0010	Harshavardhan S R	30	100	YES
9	20191BCA0011	Ibrahim Aflah Nihal T A	30	87.5	YES
10	20191BCA0013	Priyanka S P	30	75	YES
11	20191BCA0014	Pucha Vijay Kumar Reddy	30	75	YES
12	20191BCA0015	Rohit Malakar	30	77	YES
13	20191BCA0016	Samyukta M	30	87.5	YES
14	20191BCA0017	Sannidhi Bhaskara Lakshmi Ganesh	30	100	YES
15	20191BCA0018	Shreyas N Gowda	30	75	YES
16	20191BCA0019	Simran Singh	30	75	YES
17	20191BCA0020	Varsha N C	30	87.5	YES
18	20191BCA0021	Venkat Pawan N	30	87.5	YES
19	20191BCA0022	Vinodhini S	30	75	YES
20	20191BCA0023	Zala Vivek Ramsibhai	30	100	YES
21	20191BCA0024	Tejas V	30	87.5	YES
22	20191BCA0026	Aryan Gupta	30	75	YES
23	20191BCA0027	Naveen A	30	75	YES
24	20191BCA0028	Shashi Kiran B Balabatti	30	80	YES
25	20191BCA0029	Prathiksha D	30	80	YES
26	20191BCA0030	Suraj Pandey	30	100	YES
27	20191BCA0031	Devang Gupta	30	100	YES
28	20191BCA0032	Emmanuel Mark B	30	75	YES
29	20191BCA0033	Putta Tejeswar Reddy	30	75	YES
30	20191BCA0034	Srinidhi Kn	30	65	YES

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Name of Course Instructor 1: Ms.B.Parkavi					
Employee ID of Course Instructor 1:					

Presidency University

Value Added Course Marksheet

School of Information Science

Course Code :	**CSEV300**	**Academic Year :**	**2021-2022**
Course Name :	**Understanding Social Influence Using Network Science**	**Semester :**	**Even Semester**
		Instructor-in-Charge Name :	**Mr.Jobin Thomas**
		Instructor-in-Charge Employee ID :	

S. No	Roll No	Name	School (e.g. SoE/SoL)	Attendance (in %)	Marks (100)	Eligible for Certificate (Y/N)	Remark
1	20191BCA0001	Aafreen Firoz	SOIS	76	80	YES	NA
2	20191BCA0003	Abhishek Adhikari	SOIS	87.5	64	YES	NA
3	20191BCA0004	Abhishek Gautam	SOIS	75	88	YES	NA
4	20191BCA0005	Aditya Venkatasundaram	SOIS	100	84	YES	NA
5	20191BCA0006	Anmol Vashishth	SOIS	75	80	YES	NA
6	20191BCA0007	Ayush Kumar	SOIS	75	72	YES	NA
7	20191BCA0008	Divyashree S	SOIS	87.5	80	YES	NA

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8	20191BCA0010	Harshavardhan S R	SOIS	100	76	YES	NA
9	20191BCA0011	Ibrahim Aflah Nihal T A	SOIS	87.5	92	YES	NA
10	20191BCA0013	Priyanka S P	SOIS	75	84	YES	NA
11	20191BCA0014	Pucha Vijay Kumar Reddy	SOIS	75	88	YES	NA
12	20191BCA0015	Rohit Malakar	SOIS	77	76	YES	NA
13	20191BCA0016	Samyukta M	SOIS	87.5	80	YES	NA
14	20191BCA0017	Sannidhi Bhaskara Lakshmi Ganesh	SOIS	100	84	YES	NA
15	20191BCA0018	Shreyas N Gowda	SOIS	75	68	YES	NA
16	20191BCA0019	Simran Singh	SOIS	75	84	YES	NA
17	20191BCA0020	Varsha N C	SOIS	87.5	88	YES	NA
18	20191BCA0021	Venkat Pawan N	SOIS	87.5	80	YES	NA
19	20191BCA0022	Vinodhini S	SOIS	75	92	YES	NA
20	20191BCA0023	Zala Vivek Ramsibhai	SOIS	100	80	YES	NA
21	20191BCA0024	Tejas V	SOIS	87.5	88	YES	NA
22	20191BCA0026	Aryan Gupta	SOIS	75	88	YES	NA
23	20191BCA0027	Naveen A	SOIS	75	88	YES	NA
24	20191BCA0028	Shashi Kiran B Balabatti	SOIS	80	68	YES	NA

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25	20191BCA0029	Prathiksha D	SOIS	80	84	YES	NA
26	20191BCA0030	Suraj Pandey	SOIS	100	96	YES	NA
27	20191BCA0031	Devang Gupta	SOIS	100	84	YES	NA
28	20191BCA0032	Emmanuel Mark B	SOIS	75	68	YES	NA
29	20191BCA0033	Putta Tejeswar Reddy	SOIS	75	84	YES	NA
30	20191BCA0034	Srinidhi Kn	SOIS	65	66	YES	NA
Name of Course Instructor 1:		**Ms.B.Parkavi**					
					Signature of Instructor-in-Charge		

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Information Science

Name of the Department: Bachelor of Computer Application

Area of Specialization: User Interface and Design Principles

Name of the Faculty Member: Ms.B.Parkavi,Assistant Professor, CSE

Tile of the Value Added Course: User Interface and Design Principles

Course Duration: [30 hours] [From July22 to August22]

Course Code: CSEV301

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Introduction to the Course:

This course intends to know various types of human computer interaction,obstacles in human characteristics for designing website. This course covers basic concepts of human consideration in designing screen.This course covers how to design menu,format menu,menu choice and navigating menus.

Prerequisites: Basic definition of component,controls and menu.

Course Outcomes: On successful completion of the course the students shall be able to :

01: To understand the concept of graphics interface and web interface

02. To understand how to create menu,formatting menu,navigating menus

03. To gain knowledge on different types of controls,text boxes

04. To apply guidance and assistance for web pages.

Course Content

Module 1: Introduction

1. Human Computer Interaction
2. Characteristics of graphical interface
3. Web user interface principle. **[6Hours]**

Module 2:Human Consideration in screen designing

1.Obstacles in designing web interface
2.Human Interaction Speed
3.Structure of Menus
4.Functions of Menus
5.formating menus
6.Navigating menus [10hours]

Module 3: Windows controls [6 hours]

1.Characteristics Components
2.Presentation Styles
3.Web Systems
4.Device Based Controls ,Screen Based Controls , Operate Control,Text Boxes, Selection ControlCombination Control,Custom Control,Presentation Control.

Module 4:
1.Text For Web Pages

2.Effective Feedback
3.Guidance & Assistance
4. Accesssibility
5.Icons,Image,Multimedia,Coloring,Prototypes , Kinds Of Tests,Retest,Information Search Visualization ,Hypermedia ,WWW,Software Tools [8 hours]

Ms.B.Parkavi

Name &Signature of the Faculty Member **Approval by Program Head**

Presidency University, Bengaluru					
Value Added Course Attendence					
School of Informaation Science					
Course Code :	CSEV301				2021-2022
Course Name :	User interface and design principles				Even Semester
S. No	Roll No	Name	Total No of classes conducted	Percentage of Attendence	Eligible for Certificate (Y/N)
1	20191BCA0036	Bandaru Sasikiran	30	0.8	Y
2	20191BCA0037	Shivkumar J	30	0.75	Y
3	20191BCA0038	Rishabh Raj	30	0.82	Y
4	20191BCA0039	Chirag	30	0.89	Y
5	20201BCA0001	A Archana Singh	30	0.75	Y
6	20201BCA0005	Abhishek Kumar	30	0.83	Y
7	20201BCA0006	Abishek Murugan	30	0.84	Y
8	20201BCA0009	Aniket Kumar Singh	30	0.83	Y
9	20201BCA0011	Aryan Kataria	30	0.75	Y
10	20201BCA0012	Ashish P Anto	30	0.84	Y
11	20201BCA0013	Ashwin Joseph	30	0.83	Y
12	20201BCA0014	Ashwin Umesh Bhardwaj	30	0.87	Y
13	20201BCA0017	Bharath K V	30	0.67	Y
14	20201BCA0019	Burhan Maqbool Kashoo	30	0.84	Y
15	20201BCA0024	G Abhishek	30	0.86	Y
16	20201BCA0032	Joel Baby	30	0.84	Y
17	20201BCA0033	Junaid Naseer Shaikh	30	0.5	Y
18	20201BCA0034	Kancharla Chandu Prasad	30	0.82	Y
19	20201BCA0039	Manas Ranjan Choudhary	30	0.84	Y

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20	20201BCA0040	Marlene Mabel Young	30	0.74	Y
21	20201BCA0043	Mohammed Anfal	30	0.56	Y
22	20201BCA0041	Meet Jagdish Patel	30	0.9	Y
23	20201BCA0045	Ng Thesii William	30	0.9	Y
24	20201BCA0053	Rohit Raj	30	0.5	Y
25	20201BCA0054	Roshni Sha	30	0.84	Y
26	20201BCA0055	Rudresh G	30	0.86	Y
27	20201BCA0060	Sanjay B	30	0.86	Y
28	20201BCA0066	Syed Mudassir Hussain	30	0.86	Y
29	20201BCA0068	Thummalapalli Manoj .	30	0.86	Y
30	20201BCA0073	Vishwas M S	30	0.91	Y
31	20201BCA0076	Kankshitha Yarramreddy	30	0.84	Y
32	20201BCA0078	Yash Tolani	30	0.7	Y
33	20201BCA0080	Yashwanth .P .	30	0.75	Y
34	20201BCA0082	Usman Ghani Khan H	30	0.86	Y
35	20201BCG0002	Abhishek Gowda	30	0.75	Y
Name of Course Instructor 1: Ms.B.Parkavi					

Value Added Course Marksheet

School of Informaation Science

Course Code :	**CSEV300**	**Academic Year :**	**2021-2022**
Course Name :	**Understanding Social Influence Using Network Science**	**Semester :**	**Even Semester**
		Instructor-in-Charge Name :	**Mr.Jobin Thomas**
		Instructor-in-Charge Employee ID :	**Ms.B.Parkavi**

S. No	Roll No	Name	School (e.g. SoE/SoL etc)	Attendance (in %)	Marks (100)	Eligible for Certificate (Y/N)	Remark
1	20191BCA0036	Bandaru Sasikiran	SOIS	0.8	81	Y	NA
2	20191BCA0037	Shivkumar J	SOIS	0.75	89	Y	NA
3	20191BCA0038	Rishabh Raj	SOIS	0.82	91	Y	NA
4	20191BCA0039	Chirag	SOIS	0.89	98	Y	NA

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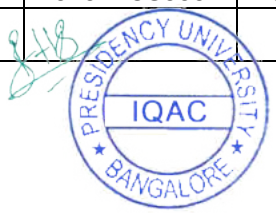
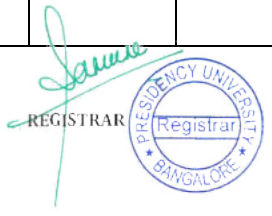
5	20201BCA0001	A Archana Singh	SOIS	0.75	80	Y	NA
6	20201BCA0005	Abhishek Kumar	SOIS	0.83	94	Y	NA
7	20201BCA0006	Abishek Murugan	SOIS	0.84	94	Y	NA
8	20201BCA0009	Aniket Kumar Singh	SOIS	0.83	91	Y	NA
9	20201BCA0011	Aryan Kataria	SOIS	0.75	80	Y	NA
10	20201BCA0012	Ashish P Anto	SOIS	0.84	98	Y	NA
11	20201BCA0013	Ashwin Joseph	SOIS	0.83	96	Y	NA
12	20201BCA0014	Ashwin Umesh Bhardwaj	SOIS	0.87	96	Y	NA
13	20201BCA0017	Bharath K V	SOIS	0.67	57	Y	NA
14	20201BCA0019	Burhan Maqbool Kashoo	SOIS	0.84	93	Y	NA
15	20201BCA0024	G Abhishek	SOIS	0.86	97	Y	NA
16	20201BCA0032	Joel Baby	SOIS	0.84	91	Y	NA
17	20201BCA0033	Junaid Naseer Shaikh	SOIS	0.5	51	Y	NA
18	20201BCA0034	Kancharla Chandu Prasad	SOIS	0.82	80	Y	NA
19	20201BCA0039	Manas Ranjan Choudhary	SOIS	0.84	96	Y	NA
20	20201BCA0040	Marlene Mabel Young	SOIS	0.74	73	Y	NA
21	20201BCA0041	Meet Jagdish Patel	SOIS	0.56	32	Y	NA
22	20201BCA0045	Ng Thesii William	SOIS	0.9	86	Y	NA
23	20201BCA0053	Rohit Raj	SOIS	0.9	79	Y	NA
24	20201BCA0054	Roshni Sha	SOIS	0.5	43	Y	NA
25	20201BCA0055	Rudresh G	SOIS	0.84	96	Y	NA
26	20201BCA0060	Sanjay B	SOIS	0.86	96	Y	NA
27	20201BCA0066	Syed Mudassir Hussain	SOIS	0.86	93	Y	NA
28	20201BCA0068	Thummalapalli Manoj .	SOIS	0.86	96	Y	NA
29	20201BCA0073	Vishwas M S	SOIS	0.86	96	Y	NA
30	20201BCA0076	Kankshitha Yarramreddy	SOIS	0.91	96	Y	NA
31	20201BCA0078	Yash Tolani	SOIS	0.84	91	Y	NA
32	20201BCA0080	Yashwanth .P .	SOIS	0.7	47	Y	NA
33	20201BCA0082	Usman Ghani Khan H	SOIS	0.75	74	Y	NA
34	20201BCG0001	Kumar Abhinav	SOIS	0.86	99	Y	NA
35	20201BCG0002	Abhishek Gowda	SOIS	0.75	80	Y	NA





Name of Course Instructor 1:		**Ms.B.Parkavi**					
					Signature of Instructor-in-Charge		

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Information Science

Name of the Department: Bachelor of Computer Application

Area of Specialization: Data Mining, Machine Learning

Name of the Faculty Member: Dr.T.K.Thivakaran

Tile of the Value Added Course: Statistical Methods for Machine Learning

Course Duration: [30 hours]

Course Code: CSE V 109

Introduction to the Course:This course provides a concise mathematical basics and computational basics. We have covered theenrollment of Statistical Techniques on standard and most popular supervised learning algorithms and Unsupervised learning algorithms in Machine Learning.

Prerequisites of the course:

Basics of Probabilityand Statistics.

Course Outcomes: On successful completion of the course the students shall be able to:

1) To Understand the Fundamentals of Statistics required for Machine Learning Algorithms.

2) Compares the differences and draws parallels between Statistical Modelling and Machine learning.

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3) Describes the comparison between Logistic Regression and Random Forest using Classification examples.

Industry Support: Should be of interest to companies trying to employ engineers familiar with Machine Learning

Course Content: [Briefly mention all the important topics to be covered in this course]

Fundamentals and basic building blocks of both statistics and Machine Learning.Compares the differences

and draws parallels between statistical modeling and machinelearning using linear regression and lasso/ridge regression examples.Describes the comparisonbetween logistic regression and random forest using a classification example,explaining the detailed steps in both modeling processes.

Dr.T.K.Thivakaran

Name&Signature of the Faculty Member **Approval by the HOD.**

Presidency University, Bengaluru					
Value Added Course Attendence					
School of Information Science					
Course Code :	**CSEV109**				**2021-2022**
Course Name :	**Statistics for Machine Learning**				**ODD Semester**
S. No	**Roll No**	**Name**	**Total No of classes conducted**	**Percentage of Attendence**	**Eligible for Certificate (Y/N)**
1	20201BCA0008	AKSHMA SHALINI RUNDA	30	99%	Y
Name of Course Instructor 1: Dr.T.K.Thivakaran					
Employee ID of Course Instructor 1:					

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Value Added Course Marksheet

School of Informaation Science

Course Code :	**CSEV109**	**Academic Year :**	**2021-2022**
Course Name :	**Statistics for Machine Learning**	**Semester :**	**ODD Semester**
		Instructor-in-Charge Name :	**Mr.Jobin Thomas**
		Instructor-in-Charge Employee ID :	

S. No	Roll No	Name	School (e.g. SoE/SoL etc)	Attendance (in %)	Marks (100)	Eligible for Certificate (Y/N)	Remark
1	20201BCA0008	AKSHMA SHALINI RUNDA	SOIS	99%	85	Y	NA
Name of Course Instructor 1:		**Dr.T.K.Thivakaran**					
					Signature of Instructor-in-Charge		

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School:School of Information Science

Name of the Department: Bachelor of Computer Application

Area of Specialization:Cryptography and Network Security and Block Chain Technology

Name of the Faculty Member:Dr.S.P.Anandaraj

Tile of the Value Added Course: Block Chain Basics

Course Duration: [30hours] [From Feburary 23 to March 29,2023]

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Course Code: CSEV114

Introduction to the Course:

Blockchain is an emerging technology platform for developing decentralized applications and data storage, over and beyond its role as the technology underlying the cryptocurrencies. The basic tenet of this platform is that it allows one to create a distributed and replicated ledger of events, transactions, and data generated through various IT processes with strong cryptographic guarantees of tamper resistance, immutability, and verifiability. Public blockchain platforms allow us to guarantee these properties with overwhelming probabilities even when untrusted users are participants of distributed applications with ability to transact on the platform

Course Pre-requisites: Substantial programming experience, software engineering

Course Outcomes: On successful completion of the course the students shall be able to :

CO1: Design principles of Bitcoin and Ethereum.

CO2: Interact with a blockchain system by sending and reading transactions.

CO3: Design, build, and deploy a distributed application.

CO4: Identify the Simplified Payment Verification protocol.

Course Content: Introduction – basic ideas behind blockchain, how it is changing the landscape of digitalization, introduction to cryptographic concepts, Hashing, public key cryptosystems, private vs public blockchain and use cases, Hash Puzzles, Introduction to Bitcoin BlockchainEthereum and Smart contracts, IOTA, The real need for mining – consensus – Byzantine Generals Problem, Introduction to Hyperledger.

Name &Signature of the Faculty Member

Approval by the HOD.

Presidency University, Bengaluru					
Value Added Course Attendence					
School of Information Science					
Course Code :	CSEV114				2021-2022
Course Name :	Blockchain Basics				ODD Semester
S. No	Roll No	Name	Total No of classes conducted	Percentage of Attendence	Eligible for Certificate (Y/N)
1	20191bca0035	Manish	30	P	Y
Name of Course Instructor 1:	Dr.S.P.Anandaraj				
Employee ID of Course Instructor 1:					

Presidency University							
Value Added Course Marksheet							
School of Informaation Science							
Course Code :	CSEV114		Academic Year :			2021-2022	
Course Name :	Blockchain Basics		Semester :			ODD Semester	
			Instructor-in-Charge Name :			Mr.Jobin Thomas	
			Instructor-in-Charge Employee ID :			Dr.S.P.Anandaraj	
S. No	Roll No	Name	School (e.g. SoE/SoL etc)	Attendance (in %)	Marks (100)	Eligible for Certificate (Y/N)	Remark
1	20191bca0035	Manish	SOIS	85%	72	Y	NA
Name of Course Instructor 1: Dr.S.P.Anandaraj							
					Signature of Instructor-in-Charge		

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(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Information Science

Name of the Department: Bachelor of Computer Application

Area of Specialization: Cloud Computing

Name of the Faculty Member: Dr. Gopal K. Shyam

Tile of the Value Added Course: Cloud and Web Technologies

Course Duration: [30 hours]

Course Code: CSEV119

Introduction to the Course: *Cloud computing technology helps to improve ICT based services like e-governance execution and create new business opportunities and their implementation. Cloud computing is an evolution of web based internet application and describes an advance consumption, supplement and delivery model for Information Technology and ICT services based on the global network. This enables allocation of resources and costs across a large pool of users while providing on-demand services with dynamic scalability. So we can say that a technology that has the capability and potential to offer solutions for e-governance is cloud computing. Cloud computing provide service-oriented access to users least compromising on security. In today's era software and their services are biggest cost concern for the implementation of IT environment in an organization. Cloud has the capability to reduce the cost in dramatic way for the all kind of the organization even it is small scale Industry or a big corporate organization. This makes Cloud an excellent platform to host e-governance services and application.*

Prerequisites :Familiarity with the Any Programming language

Course Outcomes: On successful completion of the course the students shall be able to :

Understand the fundamentals of the Go programming language

2. To create own stand -alone command - line apps
3. Enhance programming skills through innovative and independent learning

Course Content: [Briefly mention all the important topics to be covered in this course]

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Module -01

Introduction - Getting Started -Keywords and Identifiers - Variables - Data Types - Numbers ,Strings, Booleans - Operators and Expressions - I/O Functions.Control Structures - for loops ,If..else , switch.

Module -02

Arrays – Slice – Maps – Functions – Recursion -Defer.Pointer -Structs -Interfaces and Methods – Package - Concurrency - Goroutines - Channels.

Dr. Gopal K. Shyam

Name &Signature of the Faculty Member **Approval by Program Head**

Presidency University, Bengaluru					
Value Added Course Attendence					
School of Information Science					
Course Code :	**CSEV119**				**2021 -2022**
Course Name :	**Cloud and Web Technologies**				**ODD Semester**
S. No	**Roll No**	**Name**	**Total No of classes**	**% of Attendence**	**Eligible for Certificate (Y/N)**
1	20201BCA0001	A ARCHANA SINGH	30	P	Y
2	20201BCA0054	Roshni sha	30	P	Y
3	20201BCA0045	NG THESII WILLIAM	30	P	Y
4	20201BCA0062	SHAGANTI SRIKANTH REDDY	30	P	N
Name of Course Instructor 1:	**Dr. Gopal K. Shyam**				
Employee ID of Course Instructor 1:					

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Presidency University

Value Added Course Marksheet

School of Informaation Science

Course Code :	CSEV119		Academic Year :			2021-2022	
Course Name :	Cloud and Web Technologies		Semester :			ODD Semester	
			Instructor-in-Charge Name :			Mr.Jobin Thomas	
			Instructor-in-Charge Employee ID :			Dr. Gopal K. Shyam	

S. No	Roll No	Name	School (e.g. SoE/SoL etc)	Attendance (in %)	Marks (100)	Eligible for Certificate (Y/N)	Remark
1	20201BCA0001	A ARCHANA SINGH	SOIS	80%	75	Y	NA
2	20201BCA0054	Roshni sha	SOIS	80%	85	Y	NA
3	20201BCA0045	NG THESII WILLIAM	SOIS	80%	85	Y	NA
4	20201BCA0062	SHAGANTI SRIKANTH REDDY	SOIS	80%	50	Y	NA

Name of Course Instructor 1:	Dr. Gopal K. Shyam		
			Signature of Instructor-in-Charge

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GAIN MORE KNOWLEDGE REACH GREATER HEIGHTS

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Information Science

Name of the Department: Bachelor of Computer Applications

Area of Specialization: Computer Science

Name of the Faculty Member: Ms. Shaleen Bhatnagar

PRESIDENCY UNIVERSITY IQAC BANGALORE

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Tile of the Value-Added Course: Problem Solving using C++

Course Duration: 30 hours Course Code: CSEV130

Introduction to the Course:

C++ was originally created to be an extension of the C language, which is a middle-level language, and these roots are still present today. C++ can be developed in the object-oriented style, or in the C-style, making it a truly hybrid language. This is a fast-paced introductory course to the C++ programming language. This course is for beginners who want to learn C++ to start your coding journey. This comprehensive course starts from the absolute basics and gradually builds up to exciting real-life coding projects. The emphasis throughout is on practical lessons and analogies students can relate to. In this course students are able to understand Object Oriented features and apply them in solving real time problems. Prerequisites for learning C++ is "Programming in C ".It is intended for those with little programming background, though prior programming experience will make it easier

Course Outcomes: On successful completion of the course the students shall be able to:

1. Describe the procedural and object-oriented paradigm with concepts of streams, classes, functions, data and objects.
2. Understand dynamic memory management techniques using pointers, constructors, destructors, etc.
3. Describe the concept of function overloading, operator overloading, virtual functions and polymorphism.
4. Classify inheritance with the understanding of early and late binding, usage of exception handling, generic programming.
5. Demonstrate the use of various OOPs concepts with the help of programs.

Course Content:

- Procedure oriented and object-oriented languages
- How C++ improves C with object-oriented features.
- Inline functions for efficiency and performance.
- Syntax and semantics of the C++ programming language.
- Design C++ classes for code reuse.
- How to implement copy constructors and class member functions.
- Concept of data abstraction and encapsulation.
- Overload functions and operators in C++.
- Inheritance concept to promote code reuse in C++.
- How inheritance and virtual functions implement dynamic binding with polymorphism.
- Design and implement generic classes with C++ templates.
- Exception handling in C++ programs.

Shaleen Bhatnagar

Name & Signature of the Faculty Member

Approval by the HOD.

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Presidency University, Bengaluru					
Value Added Course Attendence					
School of Information Science					
Course Code :	CSEV130				2021-2022
Course Name :	Problem solving using C++				ODD Semester
S. No	Roll No	Name	Total No of classes conducted	Percentage of Attendence	Eligible for Certificate (Y/N)
1	20201BCA0006	ABISHEK MURUGAN	30	86%	Y
Name of Course Instructor 1:	Shaleen Bhatnagar				
Employee ID of Course Instructor 1:					

Presidency University							
Value Added Course Marksheet							
School of Informaation Science							
Course Code :	CSEV130		Academic Year :			2021-2022	
Course Name :	Problem solving using C++		Semester :			ODD Semester	
			Instructor-in-Charge Name :			Mr.Jobin Thomas	
			Instructor-in-Charge Employee ID :			Shaleen Bhatnagar	
S. No	Roll No	Name	School (e.g. SoE/SoL etc)	Attendance (in %)	Marks (100)	Eligible for Certificate (Y/N)	Remark
1	20201BCA0006	ABISHEK MURUGAN	SOIS	86%	90	Y	NA
Name of Course Instructor 1:		Shaleen Bhatnagar					
					Signature of Instructor-in-Charge		

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(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Information Science

Name of the Department: Bachelor of Computer Applications

Area of Specialization: Data Mining

Name of the Faculty Member/Members: MS.Divya

Title of the Value Added Course: Computer Graphics and Visualization

Course Duration: [30 hrs]

Course Code: CSEV132

Introduction to the Course: Computer graphics is the branch of computer science that deals with generating images with the aid of computers. Today, computer graphics is a core technology in digital photography, film, video games, cell phone and computer displays, and many specialized applications.

Course Outcomes: On successful completion of the course the students shall be able to :

01) Understand the basics of computer graphics, different graphics systems and applications of computer graphics.

02) Discuss various algorithms for scan conversion and filling of basic objects and their comparative analysis.

03) Use of geometric transformations on graphics objects and their application in composite form.

04) Extract scene with different clipping methods and its transformation to graphics display device

Course Content: Introduction: History of computer graphics, graphics architectures and software, imaging: pinhole camera,human vision, synthetic camera, modeling vs rendering OpenGL: architecture, displaying simple two-dimensional geometric objects, positioning systems, working in a windowed environment Color: Color perception, color models (RGB, CMY, HLS), color transformations. Color in OpenGL. RGB and Indexed color. Input: working in a network environment, client-server computing; input measure, event, sample and request input, using callbacks, picking. Geometric transformations: affine transformations (translation, rotation, scaling, shear), Rasterization: line drawing via Bresenham's algorithm, clipping, polygonal fill, BitBlt. Introduction to hidden surface removal (z buffer).

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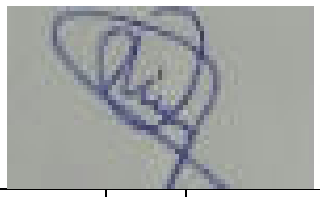
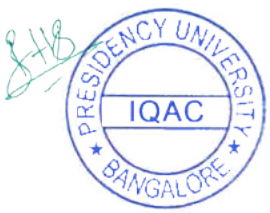
Name &Signature of the Faculty Member **Approval by the HOD.**

Presidency University, Bengaluru					
Value Added Course Attendence					
School of Information Science					
Course Code :	**CSEV132**				**2021 -2022**
Course Name :	**Computer Graphics and Visualization**				**ODD Semester**
S. No	**Roll No**	**Name**	**Total No of classes conducted upto the % of Attendence**		**Eligible for Certificate (Y/N)**
1	20201BCA0003	ABDULLAH NASSER BAHYAN	30	71%	Y
2	20201BCG0007	BHAVANI VIJAYENDRAN	30	62%	Y
3	20201BCG0012	MANISH R KUMAR	30	76%	Y
4	20201BCG0026	VISHNU G	30	76%	Y
5	20201BCV0016	VISHWAJITH H	30	92%	Y
Name of Course Instructor 1:	**: MS.Divya**				
Employee ID of Course Instructor 1:					





Presidency University

Value Added Course Marksheet

School of Informaation Science

Course Code :	CSEV132		Academic Year :			2021-2022	
Course Name :	Computer Graphics and Visualization		Semester :			ODD Semester	
			Instructor-in-Charge Name :			Mr.Jobin Thomas	
			Instructor-in-Charge Employee ID :			MS.Divya	
S. No	Roll No	Name	School (e.g. SoE/SoL etc)	Attendance (in %)	Marks (100)	Eligible for Certificate (Y/N)	Remark
1	20201BCA0003	ABDULLAH NASSER BAHYAN	SOIS	71%	90	Y	NA
2	20201BCG0007	BHAVANI VIJAYENDRAN	SOIS	62%	66	Y	NA
3	20201BCG0012	MANISH R KUMAR	SOIS	76%	72	Y	NA
4	20201BCG0026	VISHNU G	SOIS	76%	54	Y	NA
5	20201BCV0016	VISHWAJITH H	SOIS	92%	60	Y	NA
Name of the Faculty		MS.Divya					
					Signature of the Faculty		

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Information Science

Name of the Department: **Bachelor of Computer Applications**

Area of Specialization:Data Structure

Name of the Faculty Member: Dr. Prabhu Shankar and SUKRUTH GOWDA M A

Title of the Value Added Course: Cracking and coding data structures

Course Duration: [30 hours] [From Feb 10 to March 16]

Course Code: CSEV143

Introduction to the Course:

Cracking and coding data structures typically refers to the study of data structures and algorithms in the context of coding interviews for technical job positions, particularly in the software engineering industry. This syllabus outlines the fundamental topics that are commonly covered when preparing for such interviews. Keep in mind that the actual interview requirements may vary depending on the company and the specific role you are applying for

Prerequisite:

Basic Programming Knowledge: You should have some experience with at least one programming language and be familiar with concepts like variables, loops, conditional statements, and functions.

Basic Mathematics: A solid understanding of basic mathematics, including arithmetic, algebra, and logarithms, will be helpful for analyzing algorithm complexity.

Data Structure Fundamentals: It's beneficial to have a basic understanding of simple data structures like arrays and linked lists before diving into more advanced topics.

Problem-Solving Aptitude: While not necessarily a pre-requisite, having a strong problem-solving aptitude and a logical mindset will greatly aid in your ability to grasp complex algorithms and devise solutions.

Time and Dedication: Preparing for coding interviews requires time and dedication. Consistent practice and perseverance will lead to better outcomes.

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Course Content: [Briefly mention all the important topics to be covered in this course]

Introduction to Data Structures and Algorithms:

Arrays and Strings:

Linked Lists:

Graphs:

Hashing:

Heaps and Priority Queues:

Sorting Algorithms:

Comparison of sorting algorithms.

Dynamic Programming:

Understanding the concept of dynamic programming.

Course OutCome

The outcome of studying and mastering cracking and coding data structures is the ability to perform well in technical coding interviews, particularly for software engineering and related roles. By the end of this course, you should be able to:

Understand Data Structures and Algorithms: Gain a solid understanding of fundamental data structures (arrays, linked lists, stacks, queues, trees, graphs, etc.) and various algorithms (sorting, searching, traversal, etc.).

Analyze Algorithms: Evaluate the time and space complexity of algorithms and make informed decisions about choosing the most efficient ones for different scenarios.

Problem-Solving Skills: Develop strong problem-solving skills to approach and solve coding challenges in an organized and efficient manner.

Coding Proficiency: Improve your coding skills in a programming language of your choice (commonly used ones include Python, Java, C++, etc.) and write clean, efficient, and bug-free code.

Interview Performance: Feel confident and well-prepared to tackle technical coding interviews, whether it's a whiteboard interview, coding exercise, or online coding assessment.

Algorithmic Thinking: Develop the ability to break down complex problems into smaller, manageable tasks and design efficient algorithms to solve them.

Algorithm Design and Optimization: Learn techniques for designing algorithms and optimizing them for better performance.

Dr Prabhu Shankar

Name &Signature of the Faculty Member **Approval of HOD**

Presidency University, Bengaluru					
Value Added Course Attendence					
School of Information Science					
Course Code :	**CSEV143**				**2021-2022**
Course Name :	**Cracking and coding data structures**				**ODD Semester**
S. No	**Roll No**	**Name**	**Total No of classes conducted**	**percentage of Attendence**	**Eligible for Certificate (Y/N)**
1	20191BCA0001	AAFREEN FIROZ	30	90%	Y
2	20191BCA0003	ABHISHEK ADHIKARI	30	85%	Y
3	20191BCA0004	ABHISHEK GAUTAM	30	90%	Y
4	20191BCA0005	ADITYA VENKATASUNDARAM	30	90%	Y
5	20191BCA0006	ANMOL VASHISHTH	30	95%	Y
6	20191BCA0007	AYUSH KUMAR	30	95%	Y
7	20191BCA0008	DIVYASHREE S	30	85%	Y
8	20191BCA0010	HARSHAVARDHAN S R	30	95%	Y
9	20191BCA0011	IBRAHIM AFLAH NIHAL T A	30	90%	Y
10	20191BCA0013	PRIYANKA S P	30	95%	Y
11	20191BCA0014	PUCHA VIJAY KUMAR REDDY	30	95%	Y
12	20191BCA0018	SHREYAS N GOWDA	30	95%	Y
13	20191BCA0019	SIMRAN SINGH	30	95%	Y
14	20191BCA0020	VARSHA N C	30	95%	Y
15	20191BCA0021	VENKAT PAWAN N	30	85%	Y
16	20191BCA0022	VINODHINI S	30	85%	Y
17	20191BCA0023	ZALA VIVEK RAMSIBHAI	30	95%	Y

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18	20191BCA0024	TEJAS V	30	85%	Y
19	20191BCA0026	ARYAN GUPTA	30	90%	Y
20	20191BCA0027	NAVEEN A	30	95%	Y
21	20191BCA0028	SHASHI KIRAN B BALABATTI	30	90%	Y
22	20191BCA0029	PRATHIKSHA D	30	90%	Y
23	20191BCA0030	SURAJ PANDEY	30	90%	Y
24	20191BCA0031	DEVANG GUPTA	30	90%	Y
25	20191BCA0032	EMMANUEL MARK B	30	85%	Y
26	20191BCA0033	PUTTA TEJESWAR REDDY	30	85%	Y
27	20191BCA0034	SRINIDHI KN	30	85%	Y
28	20191BCA0035	MANISH PUN	30	85%	Y
29	20191BCA0036	BANDARU SASIKIRAN	30	90%	Y
30	20191BCA0038	RISHABH RAJ	30	85%	Y
31	20191BCA0039	N CHIRAG	30	85%	Y
32	20201BCG0014	NISHANTH GOWDA	30	95%	Y
Name of Course Instructor 1:		Dr. Prabhu Shankar			
Employee ID of Course Instructor 1:					

Presidency University

Value Added Course Marksheet

School of Informaation Science

Course Code :		**Academic Year :**	**2021-2022**
Course Name :		**Semester :**	**ODD Semester**
		Instructor-in-Charge Name :	**Mr.Jobin Thomas**
		Instructor-in-Charge Employee ID :	

S. No	Roll No	Name	School (e.g. SoE/SoL etc)	Attendance (in %)	Marks (100)	Eligible for Certificate (Y/N)	Remark
1	20191BCA0001	AAFREEN FIROZ	SOIS	90%	70	Y	NA
2	20191BCA0003	ABHISHEK ADHIKARI	SOIS	85%	65	Y	NA
3	20191BCA0004	ABHISHEK GAUTAM	SOIS	90%	80	Y	NA
4	20191BCA0005	ADITYA VENKATASUNDARAM	SOIS	90%	80	Y	NA
5	20191BCA0006	ANMOL VASHISHTH	SOIS	95%	85	Y	NA

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6	20191BCA0007	AYUSH KUMAR	SOIS	95%	85	Y	NA
7	20191BCA0008	DIVYASHREE S	SOIS	85%	45	Y	NA
8	20191BCA0010	HARSHAVARDHAN S R	SOIS	95%	95	Y	NA
9	20191BCA0011	IBRAHIM AFLAH NIHAL T A	SOIS	90%	80	Y	NA
10	20191BCA0013	PRIYANKA S P	SOIS	95%	90	Y	NA
11	20191BCA0014	PUCHA VIJAY KUMAR REDDY	SOIS	95%	90	Y	NA
12	20191BCA0018	SHREYAS N GOWDA	SOIS	95%	90	Y	NA
13	20191BCA0019	SIMRAN SINGH	SOIS	95%	100	Y	NA
14	20191BCA0020	VARSHA N C	SOIS	95%	90	Y	NA
15	20191BCA0021	VENKAT PAWAN N	SOIS	85%	55	Y	NA
16	20191BCA0022	VINODHINI S	SOIS	85%	60	Y	NA
17	20191BCA0023	ZALA VIVEK RAMSIBHAI	SOIS	95%	85	Y	NA
18	20191BCA0024	TEJAS V	SOIS	85%	65	Y	NA
19	20191BCA0026	ARYAN GUPTA	SOIS	90%	75	Y	NA
20	20191BCA0027	NAVEEN A	SOIS	95%	85	Y	NA
21	20191BCA0028	SHASHI KIRAN B BALABATTI	SOIS	90%	70	Y	NA
22	20191BCA0029	PRATHIKSHA D	SOIS	90%	80	Y	NA
23	20191BCA0030	SURAJ PANDEY	SOIS	90%	75	Y	NA
24	20191BCA0031	DEVANG GUPTA	SOIS	90%	80	Y	NA
25	20191BCA0032	EMMANUEL MARK B	SOIS	85%	55	Y	NA
26	20191BCA0033	PUTTA TEJESWAR REDDY	SOIS	85%	65	Y	NA
27	20191BCA0034	SRINIDHI KN	SOIS	85%	45	Y	NA
28	20191BCA0035	MANISH PUN	SOIS	85%	45	Y	NA
29	20191BCA0036	BANDARU SASIKIRAN	SOIS	90%	80	Y	NA
30	20191BCA0038	RISHABH RAJ	SOIS	85%	45	Y	NA
31	20191BCA0039	N CHIRAG	SOIS	85%	60	Y	NA
32	20201BCG0014	NISHANTH GOWDA	SOIS	95%	90	Y	NA
Name of the Faculty :		Dr. Prabhu Shankar		Signature of the Faculty			

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PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Information Science

Name of the Department: **Bachelor of Computer Applications**

Area of Specialization: Programming

Name of the Faculty Member :Mr. Md Ziaur Rahman

Title of the Value Added Course: Object Oriented Programming with C++

Course Duration: [30 hours] [From Feb 10 to March 15 2022]

Course Code: **CSEV147**

Introduction to the Course: This course is designed to provide a deep understanding of the object oriented programming concepts such as Data abstraction, encapsulation, inheritance and polymorphism using C++.

Prerequisite: Knowledge of C programming.

COURSE OUTCOMES: On successful completion of the course the students shall be able to:

CO 1: Explain the basics of Object Oriented Programming concepts.

CO 2: Apply the object initialization and destroy concept using constructors and destructors.

CO 3: Apply the concept of polymorphism to implement compile time polymorphism in programs by using overloading methods and operators.

CO 4: Use the concept of inheritance to reduce the length of code and evaluate the usefulness.

Course Content: [Briefly mention all the important topics to be covered in this course]

Introduction to C++, Functions, Classes and Objects, Constructors, Destructors, Method Overloading, Inheritance, Virtual Functions.

Mr. Md Ziaur Rahman

Name & Signature of the Faculty Member

PRESIDENCY UNIVERSITY IQAC BANGALORE

Approval by Program Head

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Presidency University, Bengaluru					
Value Added Course Attendence					
School of Information Science					
Course Code :	CSEV0147				2021-2022
Course Name :	Object Oriented Programming with C++				ODD Semester
S. No	Roll No	Name	Total No of classes conduc	Percentage of Attendance	Eligible for Certificate (Y/N)
1	20201BCA0059	SANDHYA S	30	90%	YES
Name of Course Instructor 1: Mr. Md Ziaur Rahman					
Employee ID of Course Instructor 1:					

Presidency University								
Value Added Course Marksheet								
School of Informaation Science								
Course Code :	CSEV0147		Academic Year :			2021-2022		
Course Name :	Object Oriented Programming with C++		Semester :			ODD Semester		
			Instructor-in-Charge Name :			Mr.Jobin Thomas		
			Instructor-in-Charge Employee ID :			Mr. Md Ziaur Rahman		
S. No	Roll No	Name	School (e.g. SoE/SoL etc)	Attendance (in %)	Marks (100)	Eligible for Certificate (Y/N)	Remark	
1	20201BCA0059	SANDHYA S	SOIS	90%	38	Y	NA	
Name of the Faculty : Mr. Md Ziaur Rahman								
Employee Id :				Signature of the Faculty				

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PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Information Science

Name of the Department: Bachelor of Computer Applications

Area of Specialization:

Name of the Faculty Member: Galiveeti Poornima

Tile of the Value Added Course: Let us Code Efficiently

Course Duration: [30 hours] [From 30/1/2022 to 5/3/2022]

Course Code: CSEV155

Introduction to the Course:

This course will focus on the various ways through which the code can be written efficiently. Any student, who will land up in software development jobs, should know how to code efficiently. Writing a code is easy in any programming language, but coding it efficiently comes with understanding the usage of various concepts like varaibales, memory, loops, control structures etc. (All the concepts will be discussed using sample codes written in C and Python)

Course Outcomes: On successful completion of the course the students shall be able to :

01: Write the most optimal code.

02: Improve the coding ability which gives new perspective to problem-solving

03: Write the code efficiently

Course Content:

Module 1 : Efficient coding using Modular programming and minimum number of variables.
Module 2 :Efficient usage of control structures(if-else, loops)
Module 3 :Writing code faster is important or writing it efficiently is important.

Galiveeti Poornima
Name &Signature of the Faculty Member

Approval by Program Head

PRESIDENCY UNIVERSITY IQAC BANGALORE

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Presidency University, Bengaluru					
Value Added Course Attendence					
School of Information Science					
Course Code :	CSEV155				2021-2022
Course Name :	Let us code efficiently				ODD Semester
S. No	Roll No	Name	Total No of classes conducted	percentage of Attendence	Eligible for Certificate (Y/N)
1	20201BCA0081	Vajrala Pavan reddy	30	70%	YES
2	20201BCA0018	BHARGAV KRISHNA SRIVASTAV	30	75%	YES
3	20201BCA0026	GOWNI RANJITH REDDY	30	87%	YES
4	20201BCV0020	Gajjala Vamsi	30	84%	YES
5	20201BCV0021	K kiranmayee keerthi	30	12%	NO
6	20201BCG0022	SUHAIL KHAN	30	67%	NO
Name of Course Instructor 1: Galiveeti Poornima					
Employee ID of Course Instructor 1:					

Presidency University							
Value Added Course Marksheet							
School of Informaation Science							
Course Code :	CSEV155		Academic Year :			2021-2022	
Course Name :	Let us code efficiently		Semester :			ODD Semester	
			Instructor-in-Charge Name :			Mr.Jobin Thomas	
			Instructor-in-Charge Employee ID :				
S. No	Roll No	Name	School (e.g. SoE/SoL etc)	Attendance (in %)	Marks (100)	Eligible for Certificate (Y/N)	Remark
1	20201BCA0081	Vajrala Pavan reddy	SOIS	70%	100	YES	NA
2	20201BCA0018	BHARGAV KRISHNA SRIVASTAV	SOIS	75%	100	YES	NA

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3	20201BCA0026	GOWNI RANJITH REDDY	SOIS	87%	100	YES	NA
4	20201BCV0020	Gajjala Vamsi	SOIS	84%	100	YES	NA
5	20201BCV0021	K kiranmayee keerthi	SOIS	12%	0	NO	NA
6	20201BCG0022	SUHAIL KHAN	SOIS	67%	0	NO	NA
Name of the Faculty :		**Galiveeti Poornima**					
			Signature of the Faculty:				

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Information Science

Name of the Department: Bachelor of Computer Applications

Area of Specialization: Software Engineering

Name of the Faculty Member: Ms. Amirtha Preeya V

Tile of the Value Added Course: Software Testing

Course Duration: [30hours] [From 10 feb 2022to 5 March 2022]

Course Code: CSE V 182

Introduction to the Course:

This Course is designed to make the students understand the strategies, methods and technologies of software testing effectively. It aims at Designing test plans and test cases, doing automatic testing; reporting on software defects; assessing the software product correctly; and distinguish the relationship between software testing and quality assurance. In addition, students are expected to do a group assignment on software testing tools of their choice.

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Course Pre-requisites: Software Engineering

Course Outcomes: On successful completion of the course the students shall be able to :

1. Describe the fundamentals of software testing for software assurance.

2. Select the appropriate testing type to test applications

3. Report the bugs found in testing.

Course Content:

Module 1: BASICS OF SOFTWARE TESTING

Phases of software Project- Quality – Quality Assurance and Quality control – Testing –Verification and validation – Life cycle Models.

Module 2: **TYPES OF TESTING**

Introduction to White box testing- static testing – structural Testing . Challenges in White box testing – Fundamentals of Black box testing – When and how to do black box testing.

Integration Testing- As a phase of testing – System Testing_ Functional and Non functional Testing – Acceptance Testing.

Module 3: SPECIALIZED TESTING TECHNIQUES

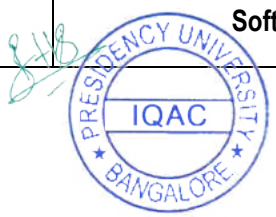
Performance Testing- Regression Testing - Internationalization Testing, Ad-hoc testing -Defect Life Cycle.

(Ms.AmirthaPreeya V)

Name &Signature of the Faculty Member

Approval by the HOD.

Presidency University, Bengaluru				
Value Added Course Attendence				
School of Information Science				
Course Code :	**CSEV0182**			**2021-2022**
Course Name :	**Software Testing**			**ODD Semester**



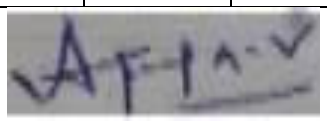
S. No	Roll No	Name	Total No of classes conducted	Percentage of Attendence	Eligible for Certificate (Y/N)
1	20191BCA0022	VINODHINI S	30	70%	Y
2	20201BCA0006	ABISHEK MURUGAN	30	75%	Y
3	20201BCA0060	SANJAY B	30	87%	Y
Name of Course Instructor 1: Ms. Amirtha Preeya V					
Employee ID of Course Instructor 1:					

Presidency University

Value Added Course Marksheet

School of Informaation Science

Course Code :	**CSEV0182**	**Academic Year :**	**2021-2022**
Course Name :	**Software Testing**	**Semester :**	**ODD Semester**
		Instructor-in-Charge Name :	**Mr.Jobin Thomas**
		Instructor-in-Charge Employee ID :	**Ms. Amirtha Preeya V**

S. No	Roll No	Name	School (e.g. SoE/SoL etc)	Attendance (in %)	Marks (100)	Eligible for Certificate (Y/N)	Remark
1	20191BCA0022	VINODHINI S	SOIS	70%	75	YES	NA
2	20201BCA0006	ABISHEK MURUGAN	SOIS	75%	69	YES	NA
3	20201BCA0060	SANJAY B	SOIS	87%	82	YES	NA
Name of the Faculty :		**Ms. Amirtha Preeya V**					
Employee Id:			**Signature of the Faculty:**				

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PRESIDENCY UNIVERSITY Registrar BANGALORE

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Information Science

Name of the Department: Bachelor of Computer Applications

Area of Specialization: Artificial Intelligence

Name of the Faculty Member: Ms.S.Poornima

Tile of the Value Added Course: Artificial Intelligence and Machine Learning

Course Duration: [30hours] [From feb 10 to march 5]

Course Code: CSE V 195

Introduction to the Course:

The aim of Artificial Intelligence & Machine Learning course is to prepare students for career in

computer science & engineering where knowledge of AI & ML techniques leading to the advancement of research and technology. Artificial Intelligence and Machine Learning are the terms of computer science.Machine Learning is the learning in which machinecan learn by its own without being explicitly programmed. It is an application of AI that provide system the ability to automatically learn and improve from experience.

Course Pre-requisites:

Object oriented programming concepts, Python

Course Outcomes: On successful completion of the course the students shall be able to :

On completion of the course students will be able to

1. Demonstrate fundamental understanding of artificial intelligence (AI) and expert systems.
2. Apply basic principles of AI in solutions that require problem solving, inference, perception, knowledge representation, and learning.
3. Demonstrate proficiency in applying scientific method to models of machine learning.

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Course Content:

Module: 1: Introduction to Artificial Intelligence and Knowledge Based Systems [08 Hrs.] [Application]

Introduction to Artificial Intelligence, Definitions, foundation, History and Applications; Agents: Types of Agent, Structure of Intelligent agent and its functions; Introduction to Knowledge representation, approaches, Knowledge-Based Systems;Frame Structures, Conceptual graphs.

Module: 2: Problem Solving by Searching [08Hrs.] [Application]

Introduction to Problem space and state space, State space search techniques solving problems by searching: Classical Search, Adversarial Search, and Constraint Satisfaction Problems

Module -3 Introduction to Machine Learning: [08 Hrs.] [Application]

Introduction, Types of Human Learning and Machine Learning, Statistical Learning, Framework of M, Problems to be solved using Machine Learning, Applications of ML, Machine Learning Workflow and algorithms, Feature Selection, Feature Engineering,

Module 4: Learning from Data [06Hrs.] [Application]

Supervised, Unsupervised, Semi-supervised and self-supervised learning. Concepts of Classification and Regression.

Text Book(s):

1. John V Guttag. “Introduction to Computation and Programming Using Python”, Second Edition, Prentice Hall of India, 2013.
2. Prateek Joshi, “Artificial Intelligence with Python”, Packt Publishing, 2017.
3. Tom Mitchell, “Machine Learning”, Latest Edition, Mc-Graw Hill.

Reference Book(s):

1. Wesley J. Chun. “Core Python Programming - Second Edition”, Prentice Hall, 2006.
2. Kenneth A. Lambert, “Fundamentals of Python – First Programs”, CENGAGE Publication
3. Denis Rothman, Matthew Lamons, Rahul Kumar, Abhishek Nagaraja, Amir Ziai, Ankit Dixit, “Python: Beginner’s guide to Artificial Intelligence”, Packt publishing, 2018

Name &Signature of the Faculty Member **Approval by the HOD.**

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR PRESIDENCY UNIVERSITY Registrar BANGALORE

Presidency University, Bengaluru

Value Added Course Attendence

School of Information Science

Course Code :	CSEV195			2021-2022
Course Name :	Artificial Intelligence and Machine Learning			ODD Semester

S. No	Roll No	Name	Total No of classes conducted	Percentage of Attendenc	Eligible for Certificate (Y/N)
1	20201BCA0016	BHAVYA SREE	30	95%	YES
2	20201BCA0023	FARHAN AHMED	30	95%	YES
3	20201BCA0029	HEMANTH K	30	62%	YES
4	20201BCA0031	JAYASHREE S	30	92%	YES
5	20201BCA0035	KHAGEMBA SINGH SOIBAM	30	90%	YES
6	20201BCA0038	KUSHAGRA GUGLANI	30	86%	YES
7	20201BCA0049	POSINA LIKHITHA	30	87%	YES
8	20201BCA0057	SAHIL KASHYAP	30	89%	YES
9	20201BCA0058	SANA IRAM	30	87%	YES
10	20201BCA0065	SOMASHEKAR	30	91%	YES
11	20201BCA0071	VIKASITHA M	30	65%	YES
12	20201BCA0072	VIRANCHI SHUKLA	30	65%	YES
13	20201BCA0075	VIVEK SHEKHAR	30	98%	YES
14	20201BCG0016	PREETHAM G GOWDA	30	76%	YES
15	20201BCH0024	JASVEER SINGH BHULLER	30	0%	NO
16	20201BCV0006	HARSHITA KHUSHU	30	76%	YES
17	20201BCV0007	ISHITA RATHOD	30	98%	YES
18	20201BCV0015	VEDANT SHARMA	30	60%	YES
19	20201BCV0016	VISHWAJITH H	30	95%	YES
20	20201BCV0019	HARSHA VARDHAN CHANNILLA	30	0%	NO

Name of M. S Poornima

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Course Instructor 1:			
Employee ID of Course Instructor 1:		**Signature of the Faculty:**	

Presidency University

Value Added Course Marksheet

School of Information Science

Course Code :	**CSEV195**	**Academic Year :**	**2021-2022**
Course Name :	**Artificial Intelligence and Machine Learning**	**Semester :**	**ODD Semester**
		Instructor-in-Charge Name :	**Mr.Jobin Thomas**
		Instructor-in-Charge Employee ID :	

S. No	Roll No	Name	School (e.g. SoE/SoL etc)	Attendance (in %)	Marks (100)	Eligible for Certificate (Y/N)	Remark
1	20201BCA0016	BHAVYA SREE	SOIS	95%	83	YES	NA
2	20201BCA0023	FARHAN AHMED	SOIS	95%	75	YES	NA
3	20201BCA0029	HEMANTH K	SOIS	62%	55	YES	NA
4	20201BCA0031	JAYASHREE S	SOIS	92%	78	YES	NA
5	20201BCA0035	KHAGEMBA SINGH SOIBAM	SOIS	90%	85	YES	NA
6	20201BCA0038	KUSHAGRA GUGLANI	SOIS	86%	57	YES	NA
7	20201BCA0049	POSINA LIKHITHA	SOIS	87%	79	YES	NA
8	20201BCA0057	SAHIL KASHYAP	SOIS	89%	42	YES	NA
9	20201BCA0058	SANA IRAM	SOIS	87%	87	YES	NA
10	20201BCA0065	SOMASHEKAR	SOIS	91%	73	YES	NA
11	20201BCA0071	VIKASITHA M	SOIS	65%	58	YES	NA
12	20201BCA0072	VIRANCHI SHUKLA	SOIS	65%	64	YES	NA
13	20201BCA0075	VIVEK SHEKHAR	SOIS	98%	86	YES	NA
14	20201BCG0016	PREETHAM G GOWDA	SOIS	76%	80	YES	NA
15	20201BCH0024	JASVEER SINGH BHULLER	SOIS	0%	0	NO	NA
16	20201BCV0006	HARSHITA KHUSHU	SOIS	76%	77	YES	NA
17	20201BCV0007	ISHITA RATHOD	SOIS	98%	81	YES	NA
18	20201BCV0015	VEDANT SHARMA	SOIS	60%	55	YES	NA
19	20201BCV0016	VISHWAJITH H	SOIS	95%	82	YES	NA
20	20201BCV0019	HARSHA VARDHAN CHANNILLA	SOIS	0%	0	NO	NA
Name of the Faculty :		**Ms.S.Poornima**					

PRESIDENCY UNIVERSITY IQAC BANGALORE

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PRESIDENCY UNIVERSITY Registrar BANGALORE

Employee Id:			**Signature of the Faculty:**			

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Information Science

Name of the Department: Bachelor of Computer Applications

Area of Specialization: Cloud Computing

Name of the Faculty Member: B PRABHU SHANKAR

Tile of the Value Added Course: Introduction to Go Programming

Course Duration: [30 hours]

Course Code: CSEV208

Introduction to the Course: [Write about a para, indicating the purpose of this course, nature of the course and prerequisites of the course] [It is same as our course description in the course hand out]

Go is an open source programming language created by Google designed for speed, efficiency and infrastructure. While Go is particularly proficient at concurrent systems programming, it has a variety of uses and has been gaining popularity in a variety of fields, including graphics, mobile applications and machine learning. Go is simple, fast and is continuing to rapidly grow in industry. In this course, we will cover what makes Go so unique and apply it to practical, real world situations. Topics covered will include concurrency and parallelism, goroutines and channels, web scraping, and other popular industry Go applications.

Prerequisites :*Familiarity with the Any Programming language*

Course Outcomes: On successful completion of the course the students shall be able to :

1. Understand the fundamentals of the Go programming language
2. To create own stand -alone command - line apps

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3. Enhance programming skills through innovative and independent learning

Course Content: [Briefly mention all the important topics to be covered in this course]

Module -01

Introduction - Getting Started -Keywords and Identifiers - Variables - Data Types - Numbers ,Strings, Booleans - Operators and Expressions - I/O Functions.Control Structures - for loops ,If..else , switch.

Module -02

Arrays – Slice – Maps – Functions – Recursion -Defer.Pointer -Structs -Interfaces and Methods – Package - Concurrency - Goroutines - Channels.

B PRABHU SHANKAR

Name &Signature of the Faculty Member **Approval by Program Head**

Presidency University, Bengaluru					
Value Added Course Attendence					
School of Information Science					
Course Code :	**CSEV0208**				**2021-2022**
Course Name :	**Introduction to Golang (Go Programming language)**				**ODD Semester**
S. No	**Roll No**	**Name**	**Total No of classes conducted**	**Percentage of Attendence**	**Eligible for Certificate (Y/N)**
1	20201BCA0026	GOWNI RANJITH REDDY	30	62%	Y
2	20201BCA0068	THUMMALAPALLI MANOJ	30	70%	Y
Name of Course Instructor 1:	**B PRABHU SHANKAR**				
Employee ID of Course Instructor 1:					

Presidency University			
Value Added Course Marksheet			
School of Informaation Science			
Course Code :	**CSEV0208**	**Academic Year :**	**2021-2022**

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Course Name :	Introduction to Golang (Go Programming language)		Semester :			ODD Semester	
			Instructor-in-Charge Name :			Mr.Jobin Thomas	
			Instructor-in-Charge Employee ID :			B PRABHU SHANKAR	
S. No	**Roll No**	**Name**	**School (e.g. SoE/SoL etc)**	**Attendance (in %)**	**Marks (100)**	**Eligible for Certificate (Y/N)**	**Remark**
1	20201BCA0026	GOWNI RANJITH REDDY	SOIS	62%	56	YES	NA
2	20201BCA0068	THUMMALAPALLI MANOJ	SOIS	70%	73	YES	NA
Name of the Faculty : B PRABHU SHANKAR							
Employee Id:			**Signature of the Faculty:**				

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Information Science

Name of the Department: Bachelor of Computer Application

Area of Specialization: Cyber Security

Name of the Faculty Member: Dr.Preeti

Title of the Value Added Course: Cyber security, forensics and cyber law

Course Duration: [30 hours] [From Feb 10 to March 16]

Course Code: CSEV212

Introduction to the Course: The Cyber Security Forensics and Cyber Law course is designed to provide students with a comprehensive understanding of the principles and practices of cyber forensics, as well as the legal and ethical aspects of dealing with cybercrime. The course covers the techniques used in

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digital investigations, the tools utilized in cyber forensics, and the legal frameworks that govern cyber activities. Students will learn how to collect, preserve, and analyze digital evidence, as well as the importance of maintaining chain of custody and adhering to legal procedures

Prerequisite:

Prerequisites for a course in Cyber Security Forensics and Cyber Law may vary depending on the educational institution and the level of the course (undergraduate, graduate, etc.). However, here are some common prerequisites that are typically expected for students enrolling in such a course:

1. Basic Computer Skills: Students should have a good understanding of computer fundamentals, including operating systems (e.g., Windows, Linux, macOS), file management, and basic software applications.

2. Networking Fundamentals: Familiarity with basic networking concepts, such as IP addressing, TCP/IP protocols, and network architecture, will be beneficial.

3. Cybersecurity Basics: A foundational knowledge of cybersecurity concepts, including common threats, security mechanisms, and security principles, is essential.

Course Content: [Briefly mention all the important topics to be covered in this course]

1. Introduction to Cyber Security and Forensics
- Overview of cybersecurity concepts
- Introduction to cyber forensics and its importance
- Understanding the digital investigation process
2. Cybercrime and Legal Framework
- Common types of cybercrime
- Cyber laws and regulations
- Jurisdictional issues in cyberspace
3. Digital Evidence Collection and Preservation
- Techniques for identifying and preserving digital evidence
- Chain of custody and its significance
- Best practices in evidence handling

Dr.Preeti

Name &Signature of the Faculty Member

Approval By HOD

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Presidency University, Bengaluru					
Value Added Course Attendence					
School of Information Science					
Course Code :	**CSEV212**				**2021-2022**
Course Name :	**Cyber security, forensics and cyber law**				**ODDn Semester**
S. No	**Roll No**	**Name**	**Total No of classes conducted**	**Attendence of**	**Eligible for Certificate (Y/N)**
1	20201bca0036	KHUSHI AGARWAL	30	27	YES
2	20201BCA0050	RAJU RANJAN KUMAR	30	0	NO
3	20201bcv0010	RADHUNANDAN	30	46	NO
4	20201BCA0052	Ritesh kumar	30	0	NO
5	20201BCV0008	KHYATI KOMRE	30	0	NO
6	20201BCV0013	RUTHVIK C REDDY	30	0	NO
Name of Course Instructor 1:	**Dr.Preeti**				
Employee ID of Course Instructor 1:					

Presidency University								
Value Added Course Marksheet								
School of Informaation Science								
Course Code :	**CSEV212**		**Academic Year :**			**2021-2022**		
Course Name :	**Cyber security, forensics and cyber law**		**Semester :**			**ODD Semester**		
			Instructor-in-Charge Name :			**Mr.Jobin Thomas**		
			Instructor-in-Charge Employee ID :					
S. No	**Roll No**	**Name**	**School (e.g. SoE/SoL etc)**	**Attendance (in %)**	**Marks (100)**	**Eligible for Certificate (Y/N)**	**Remark**	
1	20201bca0036	KHUSHI AGARWAL	SOIS	27	16	Y	NA	

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2	20201bcv0010	RADHUNANDAN	CSE&IS	46	13	N	NA
3	20201BCA0052	Ritesh kumar	CSE&IS	0	0	N	NA
4	20201BCA0050	RAJU RANJAN KUMAR	CSE&IS	0	0	N	NA
5	20201BCV0008	KHYATI KOMRE	CSE&IS	0	0	N	NA
6	20201BCV0013	RUTHVIK C REDDY	CSE&IS	0	0	N	NA
Name of the Faculty:		**Dr.Preeti**		**Signature of the Faculty:**			
Employee ID:							

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Information Science

Name of the Department: Bachelor of Computer Application

Area of Specialization: Cyber Security

Name of the Faculty Member: Mr Shine V J

Title of the Value Added Course: Introduction To Cyber Security Tools

Course Duration: [30 hours] [From Feb 10 to March 16]

Course Code: CSEV217

Introduction to the Course: This course is designed to provide the basic knowledge of the concepts and tools related to Cyber Security. The aim of the course is to provide both the theoretical and practical knowledge on System vulnerabilities and the tools to detect and prevent it so that the systems are more secure. Students will have hands on sessions on different tools used in the industry and can use them to protect their systems.

Prerequisite: Basics of Computer, Networks and Linux commands

COURSE OUTCOMES: On successful completion of the course the students shall be able to:

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CO1: Understand the Kali Linux and the tools available with it.

CO2: Explain the tools and their purposes.

CO3: Understand how vulnerable a system can be and apply the tools for making the systems more secure.

Course Content: [Briefly mention all the important topics to be covered in this course]

1. Introduction to Computer Networks
2. Types of Networks
3. Operating systems and types of operating systems
4. Introduction to Cyber Security and the importance of it
5. Tools used in Cyber Security
6. Installation of Virtual Machine and Kali Linux
7. Introduction to Kali Linux
8. Basics Linux commands
9. NMapand types of scanning
10. Metasploitable framework and important commands used
11. Hands on sessions on hackingMetasploitable 2Operating System
12. Hands on sessions on hacking Windows 7 Operating System
13. Burp Suite and its applications in the industry
14. Hands on sessions on SQL injection
15. Hands on sessions on Brute Force Attack

Mr Shine V J
Name &Signature of the Faculty Member

Approval by the HOD.

Presidency University, Bengaluru					
Value Added Course Attendence					
School of Information Science					
Course Code :	CSEV0217				2021-2022
Course Name :	Introduction to Cyber Security Tools(Kali Linux)				ODD Semester
S. No	Roll No	Name	Total No of classes conducted	Percentage of Attendence	Eligible for Certificate (Y/N)

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1	20201BCA0047	NITISH KUMAR	30	90	Yes
2	20201BCA006	SHAGANTI SRIKANTH RED	30	75	NO
3	20201BCA0077	YASEEN UMER	30	85	Yes
4	20191BCA0018	SHREYAS N GOWDA	30	0	NO
5	20201BCA0005	ABHISHEK KUMAR GUPTA	30	0	NO
6	20201BCA0014	ASHWIN UMESH BHARDWAJ	30	0	NO
7	20201BCA0039	MANAS RANJAN CHOUDHARY	30	0	NO
8	20201BCA0055	RUDRESH	30	0	NO
9	20201BCA0066	SYED MUDASSIR HUSSAIN	30	0	NO
10	20201BCA011	ARYAN KATARIA	30	0	NO
11	20201BCG0013	MOHAMMED JIYAD THANKAYATHIL	30	100	NO
12	20201bcv0010	RADHUNADAN	30	90	NO
13	20201BCG0012	MANISH R KUMAR	30	0	NO
14	20201BCG0016	PREETHAM G GOWDA	30	90	NO
15	20201BCG0024	TANAY DESHMUKH	30	0	NO
16	20201BCV0010	RADHUNANDAN	30	0	NO
17	20201BCV0013	RUTHVIK C REDDY	30	0	NO
Name of Course Instructor 1:		**Mr Shine V J**			
Employee ID of Course Instructor 1:					

Presidency University

Value Added Course Marksheet

School of Informaation Science

Course Code :	**CSEV0217**	**Academic Year :**	**2021-2022**
Course Name :	**Introduction to Cyber Security Tools(Kali Linux)**	**Semester :**	**ODD Semester**
		Instructor-in-Charge Name :	**Mr.Jobin Thomas**
		Instructor-in-Charge Employee ID :	**Mr Shine V J**

S. No	Roll No	Name	School (e.g. SoE/SoL etc)	Attendance (in %)	Marks (100)	Eligible for Certificate (Y/N)	Remark
1	20201BCA0047	NITISH KUMAR	SOIS	90	81	Yes	NA

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2	20201BCA006	SHAGANTI SRIKANTH RED	SOIS	75	75	Yes	NA
3	20201BCA0077	YASEEN UMER	SOIS	85	75	Yes	NA
4	20191BCA0018	SHREYAS N GOWDA	SOIS	0	0	NO	NA
5	20201BCA0005	ABHISHEK KUMAR GUPTA	SOIS	0	0	NO	NA
6	20201BCA0014	ASHWIN UMESH BHARDWAJ	SOIS	0	0	NO	NA
7	20201BCA0039	MANAS RANJAN CHOUDHARY	SOIS	0	0	NO	NA
8	20201BCA0055	RUDRESH	SOIS	0	0	NO	NA
9	20201BCA0066	SYED MUDASSIR HUSSAIN	SOIS	0	0	NO	NA
10	20201BCA011	ARYAN KATARIA	SOIS	0	0	NO	NA
11	20201BCG0013	MOHAMMED JIYAD THANKAYATHIL	SOIS	100	87	Yes	NA
12	20201bcv0010	RADHUNADAN	SOIS	90	87	Yes	NA
13	20201BCG0012	MANISH R KUMAR	SOIS	0	0	NO	NA
14	20201BCG0016	PREETHAM G GOWDA	SOIS	0	0	NO	NA
15	20201BCG0024	TANAY DESHMUKH	SOIS	0	0	NO	NA
16	20201BCV0010	RADHUNANDAN	SOIS	0	0	NO	NA
17	20201BCV0013	RUTHVIK C REDDY	SOIS	0	0	NO	NA
Name of the Faculty:		**Mr Shine V J**	**Siganture of the Faculty:**				
Employee ID:							

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PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Information Science

Name of the Department: Bachelor of Computer Application

Area of Specialization: Computer Networks

Name of the Faculty Member: M. Pushpalatha

Tile of the Value Added Course: Web Authoring Tools

Course Duration: [30 hours] [From 07.02.2022]

Course Code: CSEV218

Introduction to the Course:

The purpose of this Course is to introduce the basic web design using Bootstrap,Angular js,JQuery. Students will be trained in planning and designing effective web pages by writing code using current leading trends in the web domain, enhancing web pages with the use of page layout techniques, text formatting, graphics, images, and multimedia. The focus is on popular key technologies that will help students to build Internet- and web-based applications that interact with other applications.

Topics include: Bootstrap, Angular JS, JQuery.

COURSE PREREQUISITES:

HTML,CSS,JAVASCRIPT

Course Outcomes:

On successful completion of the course the students shall be able to :
1. Able to develop a modern looking website which it's great on all the wide screens using BootstrapAT
2. To create dynamic websites that users enjoy using JQuery
3. To build components, use directives and work with data binding using Angularjs to develop a modern looking website which it's great on all the wide screens

Course Content:

MODULE I (10 hours)

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Bootstrap Introduction-Containers-Grid Basic-Typography-colors-Tables-Images-Jumbotran-Alerts-Buttons-Button Groups-Badges-Progress Bars-Spinners-Pagination-List Groups-Cards-Dropdowns-Collapse-Navs-Navbar-Carousel-Modal-Tooltip-Popover-Toast-Scrollspy-Offcanvas-Utilities-Flex

MODULE II (10 hours)

JQuery Introduction-Syntax-Selectors-Events-Effects: Hide/show-Fade-Slide-Animate-stop()-call back-Chaining-JQuery html:Get-set-Add-Remove-CSS classes-css()_Dimensions-Traversing-Ancestors-Descendants-Siblings-Filtering

MODULE III (10 hours)

AngularJS Introduction-Expressions-Modules-Directives-Model-Data Binding-Controllers-Scopes-Filters-Services-Http-Tables-Select-SQL-DOM-Events-Forms-Validation-API-Includes-Animations-Routing-Application

(M.PUSHPALATHA)

Name &Signature of the Faculty Member **Approval by Program Head**

Presidency University, Bengaluru					
Value Added Course Attendence					
School of Information Science					
Course Code :	**CSEV218**				**2021-2022**
Course Name :	**Web Authoring Tools (Angular JS,Bootstrap,JQuery)**				**ODD Semester**
S. No	**Roll No**	**Name**	**Total No of classes**	**Percentage of Attendence**	**Eligible for Certificate (Y/N)**
1	20201BCA0043	MOHAMMED ANFAL	30	92.5	Y
2	20201BCA0063	SHAIN SETHI	30	92.5	Y
Name of Course Instructor 1:	**M.PUSHPALATHA**				
Employee ID of Course Instructor 1:					

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Presidency University

Value Added Course Marksheet

School of Informaation Science

Course Code :	CSEV218		Academic Year :			2021-2022	
Course Name :	Web Authoring Tools (Angular JS,Bootstrap,JQuery)		Semester :			ODD Semester	
			Instructor-in-Charge Name :			Mr.Jobin Thomas	
			Instructor-in-Charge Employee ID :			M.PUSHPALATHA	
S. No	Roll No	Name	School (e.g. SoE/SoL etc)	Attendance (in %)	Marks (100)	Eligible for Certificate (Y/N)	Remark
1	20201BCA0043	MOHAMMED ANFAL	SOIS	92.5	76%	y	NA
2	20201BCA0063	SHAIN SETHI	SOIS	92.5	80%	y	NA
Name of the Faculty:		M.PUSHPALATHA					
Employee ID:							

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GAIN MORE KNOWLEDGE REACH GREATER HEIGHTS

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: **School of Information Science**

Name of the Department: **Bachelor of Computer Application**

Area of Specialization: Engineering Economics

Name of the Faculty Member: Mr. Sunilkumar Teggihalli

Title of the Value Added Course: Money Matters

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Course Duration: [30 hours] [From Feb 10 to March 16]

Course Code: CSEV235

Introduction to the Course:

In these online modules, you can learn about your financial strengths, gain new money management skills and build knowledge you can share with others.

Prerequisite:

Financial literacy also requires the experience of financial principles and concepts, such as financial planning, compound interest, debt management, efficient investment strategies, and money-time value.

Course Content: [Briefly mention all the important topics to be covered in this course]

In Money Matters, students will investigate money management from a personal financial perspective. Students will apply critical-thinking skills to analyze financial options based on current and projected economic factors. Students will gain knowledge and skills necessary to establish short-term and long-term financial goals. Students will examine various methods of achieving short-term and long-term financial goals through various methods such as investing, tax planning, asset allocation, risk management, retirement planning, and estate planning.

Course OutCome

Demonstrate a working knowledge of financial terms and concepts.

Analyse how financial markets and instruments operate and how they can be used to achieve economic objectives.

Understand and criticaly engage in profits and risks faced by investors and strategies to control these profits and risks.

Mr. Sunilkumar Teggihalli

Name &Signature of the Faculty Member

Approval by HOD

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Presidency University, Bengaluru					
Value Added Course Attendence					
School of Information Science					
Course Code :	CSEV235				2021-2022
Course Name :	Money Matters				ODD Semester
S. No	Roll No	Name	Total No of classes conduc	Percentage of Attend	Eligible for Certificate (Y/N)
1	20191BCA0013	PRIYANKA S P	30	86%	Y
2	20191bca0027	Naveen.A	30	81%	Y
3	20191BCA0028	shashi kiran B B	30	79%	Y
Name of Course Instructor 1:	Mr. Sunilkumar Teggihalli				
Employee ID of Course Instructor 1:					

Presidency University							
Value Added Course Marksheet							
School of Informaation Science							
Course Code :	CSEV235		Academic Year :			2021-2022	
Course Name :	Money Matters		Semester :			ODD Semester	
			Instructor-in-Charge Name :			Mr.Jobin Thomas	
			Instructor-in-Charge Employee ID :			Mr. Sunilkumar Teggihalli	
S. No	Roll No	Name	School (e.g. SoE/SoL etc)	Attendance (in %)	Marks (100)	Eligible for Certificate (Y/N)	Remark
1	20191BCA0013	PRIYANKA S P	SOIS	86%	56	YES	NA
2	20191bca0027	Naveen.A	SOIS	81%	77	YES	NA
3	20191BCA0028	shashi kiran B B	SOIS	79%	78	YES	NA

Name of the Faculty: Mr. Sunilkumar Teggihalli

Employee ID:

Siganture of the Faculty:

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PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Information Science

Name of the Department: Bachelor of Computer Application

Area of Specialization: Web Technology

Name of the Faculty Members: Mrs. Josephine,Assistant Professor, CSE

Mrs. Kalpana K, Assistant Professor Grade 1,CSE

Title of the Value Added Course: Responsive Web Design

Course Duration: [30 hours] [From July 22 to August 22]

Course Code: CSEV258

Introduction to the Course:

Learning HTML would make sure you can design your unique website without any help. Sure you can create one from a website that provides you with inexpensive or free of charge templates, but not only would that mean you cannot come up with a creative website of your own, it would also make your website look like everyone else's.

Course Content :

Module 1: HTML Basics [10 Hours]

Topics covered

1. Introduction
2. Editors
3. Basic Tags
4. Styles
5. Formattting

Module 2: HTML CSS [10 Hours]

1. Styles
2. Table Creation
3. Layout Techniques

Module 3: HTML FORMS [10 hours]

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1. Form Creation.
2. Attributes.
3. Elements

Reference:

1. W3Schools Online Web Tutorials
2. HTML - GeeksforGeeks
3. HTML Tutorial (tutorialspoint.com)
4. Learn HTML Tutorial - javatpoint

Mrs. Josephine , Mrs. Kalpana K
Name &Signature of the Faculty Member

Approval by Program Head

Presidency University, Bengaluru					
Value Added Course Attendence					
School of Information Science					
Course Code :	CSEV258				2021-2022
Course Name :	Responsive Web Design				Even Semester
S. No	Roll No	Name	Total No of classes conduc	Percentage of Attendence	Eligible for Certificate (Y/N)
1	20211BCG9001	ADANAN AHMED	30	83.33	NO
2	20211BCG0001	AARON B THADIKKAL	30	91.67	YES
3	20211BCG0002	AASHIRWAD ASMIT PRADHAN	30	83.33	YES
4	20211BCG0003	ABIR HAZRA	30	83.33	NO
5	20211BCG0004	ARUN	30	79.17	NO
6	20211BCG0005	ASHWIN KUMAR	30	75.56	YES
7	20211BCG0006	ASWIN K MENON	30	93.33	NO
8	20211BCG0007	BHARATH A M	30	75.56	YES
9	20211BCG0008	BHAWANI PRASAD PAINKRA	30	95.56	YES
10	20211BCG0009	BHUMIKA N	30	75.56	YES
11	20211BCG0011	FAIZAN AHMED	30	97.78	NO
12	20211BCG0012	GURU YESWANTH G K	30	82.22	YES
13	20211BCG0013	HAADEE PARVEZ BEIG	30	97.78	NO
14	20211BCG0014	HAFSA RIZWANULLA SHERIFF	30	93.33	YES
15	20211BCG0015	JAYADEVAN T J	30	95.56	YES
16	20211BCG0016	JAYASURYA K	30	97.78	NO
17	20211BCG0017	KARAN NARANIA	30	95.56	YES

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18	20211BCG0018	KOKILAVANI S	30	91.11	YES
19	20211BCG0020	NISHANTH TRIPATHI	30	91.11	YES
20	20211BCG0021	P SAI MANISH NAIDU	30	84.44	YES
21	20211BCG0022	RACHITHA T R	30	91.11	YES
22	20211BCG0024	SAYANDIP DEY MODAK	30	91.11	YES
23	20211BCG0025	SHAMAL SHABEER	30	91.11	YES
24	20211BCG0027	SYED SULAIMAAN AHMED	30	86.67	YES
25	20211BCG0028	TUSHNI PRABHA GORAI	30	91.11	YES
26	20211BCG0029	UDIT K BOWREA	30	97.78	YES
27	20211BCG0031	SAGAR KUMAR PANI	30	88.89	YES
28	20211BCG0032	ALEENA N	30	88.89	YES
29	20211BCG0033	AARYA SUMAN JHA	30	97.78	NO
30	20211BCG0034	C M V KRISHNESH	30	88.89	YES
31	20211BCG0035	CHANNA MALLIKARJUNA H	30	88.89	YES
32	20211BCG0037	MASUD MONDAL	30	97.78	NO
33	20211BCG0038	MOHAMMED SAIFUR REHMAN	30	88.89	NO
34	20211BCG0039	NAVATHEJA KRISHNA	30	97.78	YES
35	20211BCG0040	THOTLAPALLI AFFAN ABUBAKAR	30	80	YES
36	20211BCG0041	VARAGANI LAKSHMI YASWANTH	30	95.56	NO
37	20211BCG0042	CHRISTINE EDWINA ALLAY	30	95.56	YES
38	20211BCG0043	STEVIN MILAN	30	88.89	NO
39	20211BCG0044	BHUVAN S	30	97.78	NO
40	20211BCG0046	VAMSHI C V	30	84.44	NO
41	20211BCG0047	SATHWIK M P	30	91.11	NO
42	20211BCG0048	TRISHA H	30	86.67	NO
43	20211BCG0049	VAKKALA TEERTHA	30	84.44	YES
44	20211BCG0050	N NITHIN	30	84.44	NO
45	20211BCG0051	DASANNAGARIMANIDEEPAK D	30	93.33	NO
46	20211BCV0001	ADWAITH S	30	97.78	NO
47	20211BCV0002	AJMAL AMEEN	30	91.11	YES
48	20211BCV0003	AMAL SIBI	30	93.33	NO
49	20211BCV0004	ARYAN B REDDY	30	98.48	YES
50	20211BCV0005	BAR SHAIK SANIA TAJ	30	72.73	YES
51	20211BCV0006	BIPLOB DAS	30	98.48	YES
52	20211BCV0007	GAJULA NIKHIL	30	90.91	NO
53	20211BCV0008	HABEEB RAHMAN M	30	90.91	NO
54	20211BCV0009	HARRSHA VEL J P	30	98.48	NO
55	20211BCV0011	HETAL SAPKALE	30	92.42	YES
56	20211BCV0012	HIMANSHU JOSHI	30	98.48	YES
57	20211BCV0013	HRITHIK K BABU	30	98.48	NO
58	20211BCV0014	JERIN REJI JOHN	30	92.42	YES

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59	20211BCV0015	L ADITYA SINGH	30	100	YES
60	20211BCV0016	M J RANJITH	30	90.91	NO
61	20211BCV0017	MOHAMMED ANAS G M	30	98.48	NO
62	20211BCV0018	MOHAMMED SAADUDDIN HASSAN	30	98.48	NO
63	20211BCV0019	MOHAMMED SUFFIYAN	30	100	YES
64	20211BCV0020	NIKHIL O	30	95.45	YES
65	20211BCV0021	PRAVEEN KUMAR I	30	96.97	YES
66	20211BCV0022	SHASHI M	30	98.48	YES
67	20211BCV0024	NIKHIL KUMAR	30	100	YES
68	20211BCV0026	THEJASWINI S	30	93.94	NO
69	20211BCV0027	NAKKALA SAKETH REDDY	30	98.48	NO
70	20211BCV0028	JASPREET SINGH	30	100	NO
71	20211BCV0029	ANANYA M	30	93.94	YES
72	20211BCV0030	AMAN BHATT	30	95.45	NO
73	20211BCV0031	TAMAN PRASAD	30	92.42	YES
74	20211BCV0032	SHRESTHA SINHA	30	100	YES
75	20211BCV0033	MADHUSHREE BOSE	30	90.91	YES
76	20211BCV0034	PRATYAKSHA PANDEY	30	98.48	YES
77	20211BCV0035	MOUNISH G	30	98.48	NO
78	20211BCV0036	HARISHKUMAR P	30	100	YES
79	20211BSD0001	ASHRI DAS	30	91.11	YES
80	20211BSD0002	BUDDHA PAVAN	30	91.11	YES
81	20211BSD0003	KARUTURI SRI SAI VENKATA SRIMANTH CHOWDARY	30	86.67	YES
82	20211BSD0004	MALAVIKA MADHU	30	91.11	YES
83	20211BSD0005	NEJIL VALLIYAKATH NOUSHAD	30	97.78	YES
84	20211BSD0006	SHANKAR	30	88.89	YES
85	20211BSD0007	SIBIN BENNY	30	88.89	YES
86	20211BSD0008	SUMMEER AGNI K	30	97.78	YES
87	20211BSD0009	YERRAGOVULA HEMANTH REDDY	30	88.89	YES
88	20211BSD0012	SIDHARTHANUNNI M R	30	88.89	YES
89	20211BSD0013	SYED MOHAMMAD KASHIF ANDRABI	30	97.78	YES
90	20211BSD0014	HARIKRISHNA ALUNGAL PRAKASH	30	88.89	YES
91	20211BSD0015	LANCHANA H G	30	97.78	YES
92	20211BSD0016	ABHIRAM K S	30	80	YES
93	20211BSD0017	ALI HUSAYIR	30	95.56	YES
94	20211BSD0018	JISHNU PRAKASH PEROTH	30	95.56	YES
95	20211BSD0019	TEJAS M P	30	88.89	YES
96	20211BSD0020	K A MUHAMMED SHAHIL	30	97.78	YES
Name of the Faculty :		**Mrs. Josephine , Mrs. Kalpana K**			

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Employee ID:				

Presidency University

Value Added Course Marksheet

School of Informaation Science

Course Code :		**Academic Year :**	**2021-2022**
Course Name :		**Semester :**	**ODD Semester**
		Instructor-in-Charge Name :	**Mr.Jobin Thomas**
		Instructor-in-Charge Employee ID :	

S. No	Roll No	Name	School (e.g. SoE/SoL etc)	Attendance (in %)	Marks (100)	Eligible for Certificate (Y/N)	Remark
1	20211BCG9001	ADANAN AHMED	SOIS	83.33	0	NO	NA
2	20211BCG0001	AARON B THADIKKAL	SOIS	91.67	0	YES	NA
3	20211BCG0002	AASHIRWAD ASMIT PRADHAN	SOIS	83.33	82	YES	NA
4	20211BCG0003	ABIR HAZRA	SOIS	83.33	22	NO	NA
5	20211BCG0004	ARUN	SOIS	79.17	23	NO	NA
6	20211BCG0005	ASHWIN KUMAR	SOIS	75.56	60	YES	NA
7	20211BCG0006	ASWIN K MENON	SOIS	93.33	18	NO	NA
8	20211BCG0007	BHARATH A M	SOIS	75.56	0	YES	NA
9	20211BCG0008	BHAWANI PRASAD PAINKRA	SOIS	95.56	70	YES	NA
10	20211BCG0009	BHUMIKA N	SOIS	75.56	70	YES	NA
11	20211BCG0011	FAIZAN AHMED	SOIS	97.78	28	NO	NA
12	20211BCG0012	GURU YESWANTH G K	SOIS	82.22	82	YES	NA
13	20211BCG0013	HAADEE PARVEZ BEIG	SOIS	97.78	0	NO	NA
14	20211BCG0014	HAFSA RIZWANULLA SHERIFF	SOIS	93.33	56	YES	NA
15	20211BCG0015	JAYADEVAN T J	SOIS	95.56	62	YES	NA
16	20211BCG0016	JAYASURYA K	SOIS	97.78	22	NO	NA
17	20211BCG0017	KARAN NARANIA	SOIS	95.56	76	YES	NA
18	20211BCG0018	KOKILAVANI S	SOIS	91.11	0	YES	NA
19	20211BCG0020	NISHANTH TRIPATHI	SOIS	91.11	0	YES	NA
20	20211BCG0021	P SAI MANISH NAIDU	SOIS	84.44	0	YES	NA
21	20211BCG0022	RACHITHA T R	SOIS	91.11	0	YES	NA
22	20211BCG0024	SAYANDIP DEY MODAK	SOIS	91.11	0	YES	NA

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23	20211BCG0025	SHAMAL SHABEER	SOIS	91.11	0	YES	NA
24	20211BCG0027	SYED SULAIMAAN AHMED	SOIS	86.67	0	YES	NA
25	20211BCG0028	TUSHNI PRABHA GORAI	SOIS	91.11	75	YES	NA
26	20211BCG0029	UDIT K BOWREA	SOIS	97.78	62	YES	NA
27	20211BCG0031	SAGAR KUMAR PANI	SOIS	88.89	0	YES	NA
28	20211BCG0032	ALEENA N	SOIS	88.89	0	YES	NA
29	20211BCG0033	AARYA SUMAN JHA	SOIS	97.78	0	NO	NA
30	20211BCG0034	C M V KRISHNESH	SOIS	88.89	0	YES	NA
31	20211BCG0035	CHANNA MALLIKARJUNA H	SOIS	88.89	0	YES	NA
32	20211BCG0037	MASUD MONDAL	SOIS	97.78	0	NO	NA
33	20211BCG0038	MOHAMMED SAIFUR REHMAN	SOIS	88.89	0	NO	NA
34	20211BCG0039	NAVATHEJA KRISHNA	SOIS	97.78	78	YES	NA
35	20211BCG0040	THOTLAPALLI AFFAN ABUBAKAR	SOIS	80	0	YES	NA
36	20211BCG0041	VARAGANI LAKSHMI YASWANTH	SOIS	95.56	0	NO	NA
37	20211BCG0042	CHRISTINE EDWINA ALLAY	SOIS	95.56	0	YES	NA
38	20211BCG0043	STEVIN MILAN	SOIS	88.89	0	NO	NA
39	20211BCG0044	BHUVAN S	SOIS	97.78	0	NO	NA
40	20211BCG0046	VAMSHI C V	SOIS	84.44	0	NO	NA
41	20211BCG0047	SATHWIK M P	SOIS	91.11	0	NO	NA
42	20211BCG0048	TRISHA H	SOIS	86.67	0	NO	NA
43	20211BCG0049	VAKKALA TEERTHA	SOIS	84.44	70	YES	NA
44	20211BCG0050	N NITHIN	SOIS	84.44	25	NO	NA
45	20211BCG0051	DASANNAGARIMANIDEEPAK D	SOIS	93.33	29	NO	NA
46	20211BCV0001	ADWAITH S	SOIS	97.78	0	NO	NA
47	20211BCV0002	AJMAL AMEEN	SOIS	91.11	50	YES	NA
48	20211BCV0003	AMAL SIBI	SOIS	93.33	0	NO	NA
49	20211BCV0004	ARYAN B REDDY	SOIS	98.48	72	YES	NA
50	20211BCV0005	BAR SHAIK SANIA TAJ	SOIS	72.73	76	YES	NA
51	20211BCV0006	BIPLOB DAS	SOIS	98.48	0	YES	NA
52	20211BCV0007	GAJULA NIKHIL	SOIS	90.91	0	NO	NA
53	20211BCV0008	HABEEB RAHMAN M	SOIS	90.91	0	NO	NA
54	20211BCV0009	HARRSHA VEL J P	SOIS	98.48	0	NO	NA
55	20211BCV0011	HETAL SAPKALE	SOIS	92.42	64	YES	NA
56	20211BCV0012	HIMANSHU JOSHI	SOIS	98.48	76	YES	NA
57	20211BCV0013	HRITHIK K BABU	SOIS	98.48	17	NO	NA
58	20211BCV0014	JERIN REJI JOHN	SOIS	92.42	50	YES	NA
59	20211BCV0015	L ADITYA SINGH	SOIS	100	0	YES	NA

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60	20211BCV0016	M J RANJITH	SOIS	90.91	0	NO	NA
61	20211BCV0017	MOHAMMED ANAS G M	SOIS	98.48	0	NO	NA
62	20211BCV0018	MOHAMMED SAADUDDIN HASSAN	SOIS	98.48	14	NO	NA
63	20211BCV0019	MOHAMMED SUFFIYAN	SOIS	100	76	YES	NA
64	20211BCV0020	NIKHIL O	SOIS	95.45	0	YES	NA
65	20211BCV0021	PRAVEEN KUMAR I	SOIS	96.97	0	YES	NA
66	20211BCV0022	SHASHI M	SOIS	98.48	0	YES	NA
67	20211BCV0024	NIKHIL KUMAR	SOIS	100	76	YES	NA
68	20211BCV0026	THEJASWINI S	SOIS	93.94	0	NO	NA
69	20211BCV0027	NAKKALA SAKETH REDDY	SOIS	98.48	12	NO	NA
70	20211BCV0028	JASPREET SINGH	SOIS	100	0	NO	NA
71	20211BCV0029	ANANYA M	SOIS	93.94	0	YES	NA
72	20211BCV0030	AMAN BHATT	SOIS	95.45	0	NO	NA
73	20211BCV0031	TAMAN PRASAD	SOIS	92.42	0	YES	NA
74	20211BCV0032	SHRESTHA SINHA	SOIS	100	82	YES	NA
75	20211BCV0033	MADHUSHREE BOSE	SOIS	90.91	74	YES	NA
76	20211BCV0034	PRATYAKSHA PANDEY	SOIS	98.48	0	YES	NA
77	20211BCV0035	MOUNISH G	SOIS	98.48	0	NO	NA
78	20211BCV0036	HARISHKUMAR P	SOIS	100	0	YES	NA
79	20211BSD0001	ASHRI DAS	SOIS	91.11	84	YES	NA
80	20211BSD0002	BUDDHA PAVAN	SOIS	91.11	0	YES	NA
81	20211BSD0003	KARUTURI SRI SAI VENKATA SRIMANTH CHOWDARY	SOIS	86.67	78	YES	NA
82	20211BSD0004	MALAVIKA MADHU	SOIS	91.11	82	YES	NA
83	20211BSD0005	NEJIL VALLIYAKATH NOUSHAD	SOIS	97.78	80	YES	NA
84	20211BSD0006	SHANKAR	SOIS	88.89	76	YES	NA
85	20211BSD0007	SIBIN BENNY	SOIS	88.89	0	YES	NA
86	20211BSD0008	SUMMEER AGNI K	SOIS	97.78	0	YES	NA
87	20211BSD0009	YERRAGOVULA HEMANTH REDDY	SOIS	88.89	0	YES	NA
88	20211BSD0012	SIDHARTHANUNNI M R	SOIS	88.89	80	YES	NA
89	20211BSD0013	SYED MOHAMMAD KASHIF ANDRABI	SOIS	97.78	0	YES	NA
90	20211BSD0014	HARIKRISHNA ALUNGAL PRAKASH	SOIS	88.89	0	YES	NA
91	20211BSD0015	LANCHANA H G	SOIS	97.78	84	YES	NA
92	20211BSD0016	ABHIRAM K S	SOIS	80	0	YES	NA
93	20211BSD0017	ALI HUSAYIR	SOIS	95.56	78	YES	NA
94	20211BSD0018	JISHNU PRAKASH PEROTH	SOIS	95.56	0	YES	NA

95	20211BSD0019	TEJAS M P	SOIS	88.89	76	YES	NA
96	20211BSD0020	K A MUHAMMED SHAHIL	SOIS	97.78	73	YES	NA
Name of the Faculty :		**Mrs. Josephine , Mrs. Kalpana K**					
Employee ID:			**Signature of the Faculty:**				

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Information Science

Name of the Department: Bachelor of Computer Application

Area of Specialization: Computer Networks

Name of the Faculty Member: Mrs. Kalpana K

Title of the Value Added Course: Vehicular Adhoc Network

Course Duration: [30 hours] [From July22 to August22]

Course Code: CSEV302

Introduction to the Course:

This course will introduce vehicular ad-hoc networks (VANETs) and facilitate a discussion of issues involved in building VANETs. These issues include physical communications limitations, special characteristics of vehicular networks, possible applications (collision avoidance, incident notification, etc.), security, user privacy, and driver distraction.

Prerequisites:

The main prerequisite for this course is – Intro to Networks and Communication, Wireless communications , Mobile Computing and Network Security Concepts, Protocols and Programming.

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Course Contents:

1. Introduction to VANETs:
    - Overview of VANET architecture, communication models, and applications.
    - Comparison with other types of ad hoc networks.
2. VANET Communication Protocols:
    - IEEE 802.11p and WAVE (Wireless Access in Vehicular Environments) standards.
    - Medium Access Control (MAC) protocols in VANETs.
    - Geographic and geocast routing protocols.
3. VANET Communication Models:
    - Broadcast and unicast communication in VANETs.
    - Multi-hop communication and its challenges.
    - Performance evaluation metrics.
4. VANET Channel Models:
    - Propagation characteristics in vehicular environments.
    - Channel fading and its impact on communication reliability.
    - Channel capacity estimation.

Course Outcomes:

Upon completing the course on Vehicular Ad Hoc Networks, students should be able to:

Understand VANET Architecture and Protocols: Gain a comprehensive understanding of the design and communication protocols used in VANETs.

Evaluate VANET Performance: Analyze the performance of VANET protocols under various conditions using simulations and real-world scenarios.

Design VANET Applications: Create intelligent transportation systems and safety applications using VANET technologies.

Address VANET Security Concerns: Implement security mechanisms to protect VANET communications from potential threats.

Mrs. Kalpana K

Name &Signature of the Faculty Member

Approval by Program Head

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Presidency University, Bengaluru					
Value Added Course Attendence					
School of Information Science					
Course Code :	CSEV302				2021-2022
Course Name :	Vehicular Adhoc Network				Even Semester
S. No	Roll No	Name	Total No of classes conducted	Percentage of Attendence	Eligible for Certificate (Y/N)
1	20201BCV0001	Aaditya Pradeep Chandrasekhar	30		NO
2	20201BCV0002	Akshat Aryan	30		NO
3	20201BCV0005	Dakshayini Lg	30		NO
4	20201BCV0008	Khyati Komre	30		NO
5	20201BCV0009	Mohammed Farhaan Pasha	30		NO
6	20201BCV0013	Ruthvik C Reddy	30		NO
7	20201BCV0018	Yadhu Krishna K	30		NO
8	20201BCV0019	Channilla Harsha Vardhan	30		NO
9	20201BCV0021	Karumuru Kiranmayee Keerthi	30		NO
10	20201BCV0023	P Vaishnavi	30		NO
11	20201BCG0006	B. Vigness	30		YES
12	20201BCG0008	Deon Mathew Sabu	30		YES
13	20201BCG0011	Kohinoor Suthar	30		YES
14	20201BCG0018	Rohith S	30		YES
15	20201BCG0019	Satyajit Borgohain	30		YES
16	20201BCG0020	Srajan Patel	30		YES
17	20201BCG0021	Subham Agarwal	30		YES
18	20201BCG0022	Suhail Khan	30		YES
19	20201BCG0023	Suraj . U	30		YES
20	20201BCG0024	Tanay Deshmukh	30		YES
21	20201BCG0025	Vedant Sharma	30		YES
22	20201BCG0029	Aaron Sankeshwar	30		YES
23	20201BCG9001	Niranjana D	30		YES
24	20211BSD0001	ASHRI DAS	30		YES
25	20211BSD0002	BUDDHA PAVAN	30		YES
26	20211BSD0003	KARUTURI SRI SAI VENKATA SRIMANTH CHOWDARY	30		YES
27	20211BSD0004	MALAVIKA MADHU	30		YES

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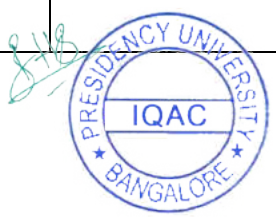
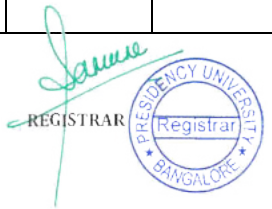
28	20211BSD0005	NEJIL VALLIYAKATH NOUSHAD	30		YES
29	20211BSD0006	SHANKAR	30		YES
30	20211BSD0007	SIBIN BENNY	30		YES
31	20211BSD0008	SUMMEER AGNI K	30		YES
32	20211BSD0009	YERRAGOVULA HEMANTH REDDY	30		YES
33	20211BSD0012	SIDHARTHANUNNI M R	30		YES
34	20211BSD0013	SYED MOHAMMAD KASHIF ANDRABI	30		YES
35	20211BSD0014	HARIKRISHNA ALUNGAL PRAKASH	30		YES
36	20211BSD0015	LANCHANA H G	30		YES
37	20211BSD0016	ABHIRAM K S	30		YES
38	20211BSD0017	ALI HUSAYIR	30		YES
39	20211BSD0018	JISHNU PRAKASH PEROTH	30		YES
40	20211BSD0019	TEJAS M P	30		YES
41	20211BSD0020	K A MUHAMMED SHAHIL	30		YES
Name of Course Instructor 1:	**Mrs. Kalpana K**				
Employee ID of Course Instructor 1:					

Presidency University , Bengaluru							
Value Added Course Marksheet							
School of Information Science							
Course Code :	**CSEV302**		**Academic Year :**			**2021-2022**	
Course Name :	**Vehicular Adhoc Network**		**Semester :**			**Even Semester**	
			Instructor-in-Charge Name :			**Mr.Jobin Thomas**	
			Instructor-in-Charge Employee ID :			**Mrs. Kalpana K**	
S. No	**Roll No**	**Name**	**School (e.g. SoE/SoL etc)**	**Attendance (in %)**	**Marks (100)**	**Eligible for Certificate (Y/N)**	**Remark**





1	20201BCV0001	Aaditya Pradeep Chandrasekhar	SOIS	90	25	NO	NA
2	20201BCV0002	Akshat Aryan	SOIS	60	22	NO	NA
3	20201BCV0005	Dakshayini Lg	SOIS	40	12	NO	NA
4	20201BCV0008	Khyati Komre	SOIS	40	20	NO	NA
5	20201BCV0009	Mohammed Farhaan Pasha	SOIS	60	17	NO	NA
6	20201BCV0013	Ruthvik C Reddy	SOIS	40	25	NO	NA
7	20201BCV0018	Yadhu Krishna K	SOIS	50	13	NO	NA
8	20201BCV0019	Channilla Harsha Vardhan	SOIS	80	18	NO	NA
9	20201BCV0021	Karumuru Kiranmayee Keerthi	SOIS	70	17	NO	NA
10	20201BCV0023	P Vaishnavi	SOIS	70	11	NO	NA
11	20201BCG0006	B. Vigness	SOIS	100	90	YES	NA
12	20201BCG0008	Deon Mathew Sabu	SOIS	100	70	YES	NA
13	20201BCG0011	Kohinoor Suthar	SOIS	94	70	YES	NA
14	20201BCG0018	Rohith S	SOIS	100	90	YES	NA
15	20201BCG0019	Satyajit Borgohain	SOIS	94	80	YES	NA
16	20201BCG0020	Srajan Patel	SOIS	76	70	YES	NA
17	20201BCG0021	Subham Agarwal	SOIS	75	60	YES	NA
18	20201BCG0022	Suhail Khan	SOIS	100	70	YES	NA
19	20201BCG0023	Suraj . U	SOIS	84	100	YES	NA
20	20201BCG0024	Tanay Deshmukh	SOIS	76	80	YES	NA
21	20201BCG0025	Vedant Sharma	SOIS	100	90	YES	NA
22	20201BCG0029	Aaron Sankeshwar	SOIS	100	70	YES	NA
23	20201BCG9001	Niranjana D	SOIS	80	70	YES	NA
24	20211BSD0001	ASHRI DAS	SOIS	94	80	YES	NA
25	20211BSD0002	BUDDHA PAVAN	SOIS	94	80	YES	NA
26	20211BSD0003	KARUTURI SRI SAI VENKATA SRIMANTH CHOWDARY	SOIS	4	0	YES	NA
27	20211BSD0004	MALAVIKA MADHU	SOIS	100	100	YES	NA
28	20211BSD0005	NEJIL VALLIYAKATH NOUSHAD	SOIS	50	0	YES	NA
29	20211BSD0006	SHANKAR	SOIS	100	80	YES	NA
30	20211BSD0007	SIBIN BENNY	SOIS	94	100	YES	NA
31	20211BSD0008	SUMMEER AGNI K	SOIS	94	70	YES	NA
32	20211BSD0009	YERRAGOVULA HEMANTH REDDY	SOIS	100	60	YES	NA
33	20211BSD0012	SIDHARTHANUNNI M R	SOIS	77	70	YES	NA
34	20211BSD0013	SYED MOHAMMAD KASHIF ANDRABI	SOIS	100	100	YES	NA
35	20211BSD0014	HARIKRISHNA ALUNGAL PRAKASH	SOIS	94	60	YES	NA
36	20211BSD0015	LANCHANA H G	SOIS	100	80	YES	NA
37	20211BSD0016	ABHIRAM K S	SOIS	100	100	YES	NA
38	20211BSD0017	ALI HUSAYIR	SOIS	75	60	YES	NA
39	20211BSD0018	JISHNU PRAKASH PEROTH	SOIS	100	90	YES	NA
40	20211BSD0019	TEJAS M P	SOIS	87	60	YES	NA
41	20211BSD0020	K A MUHAMMED SHAHIL	SOIS	87	60	YES	NA
Name of Course Instructor 1:		**Mrs. Kalpana K**					

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			Signature of Instructor-in-Charge

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Information Science

Name of the Department: Bachelor of Computer Application

Area of Specialization: Artificial Intelligence

Name of the Faculty Member : H M MANJULA

Title of the Value Added Course: Importance of AI in healthcare sector

Course Duration: [30 hours]

Course Code: CSEV124

Introduction: The use of Artificial Intelligence (AI) in the healthcare sector has the potential to revolutionize patient care, diagnosis, treatment, and overall healthcare management. AI technologies, such as machine learning, natural language processing, and computer vision, can analyze vast amounts of medical data, identify patterns, and assist healthcare professionals in making more accurate and timely decisions. This course focuses on the importance of AI in healthcare and its various applications, preparing students to harness AI to improve healthcare outcomes and efficiency.

Prerequisites: Students undertaking this course should have a basic understanding of computer programming and data analysis concepts. Familiarity with statistics and probability is beneficial. Additionally, some background knowledge in healthcare terminology and medical practices would be helpful but is not mandatory.

Course Outcome: Upon completing the AI in Healthcare Sector course, students should be able to:

Understand AI Fundamentals: Comprehend the basic principles of AI, including machine learning, natural language processing, and computer vision, and their relevance to healthcare applications.

Explore AI Applications in Healthcare: Analyze the potential of AI in various healthcare domains, such as medical imaging analysis, disease diagnosis, drug discovery, personalized medicine, and patient care.

Evaluate AI Algorithms and Models: Assess different AI algorithms and models used in healthcare and understand their strengths and limitations.

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Implement AI Solutions: Apply AI techniques to real-world healthcare datasets to solve problems and improve decision-making.

Assess Ethical and Privacy Concerns: Evaluate the ethical and privacy implications of AI in healthcare, including data security, patient consent, and responsible use of AI technology.

Collaborate with Healthcare Professionals: Understand the collaboration between AI experts and healthcare professionals to develop AI-powered solutions that align with medical best practices.

Stay Updated with Latest Developments: Keep abreast of the latest advancements in AI and its applications in the healthcare sector.

Course Contents: The course typically covers the following topics:

Introduction to AI in Healthcare:
Overview of AI and its impact on the healthcare sector.
Key AI technologies relevant to healthcare applications.
AI in Medical Imaging:
Applications of AI in radiology and medical image analysis.
Deep learning for image classification and segmentation.
AI for Disease Diagnosis and Prognosis:
AI-driven diagnostic tools and decision support systems.
Predictive modeling for disease prognosis and patient outcomes.
AI in Drug Discovery and Personalized Medicine:
Drug target identification using AI approaches.
Precision medicine and personalized treatment recommendations.
Natural Language Processing in Healthcare:
AI applications for processing clinical notes and medical literature.
AI-powered chatbots and virtual health assistants.
AI in Remote Patient Monitoring and Chronic Disease Management:
Wearable devices and AI for continuous health monitoring.
AI-driven interventions for chronic disease management.
Ethical and Legal Considerations in AI Healthcare Applications:
Addressing ethical challenges in AI decision-making.
Data privacy and security in healthcare AI.
Real-world AI Healthcare Projects:
Case studies and projects applying AI in healthcare settings.
Hands-on exercises with AI tools and frameworks.
The AI in Healthcare Sector course equips students with the knowledge and skills to leverage AI technologies in the healthcare industry responsibly. It prepares them to contribute to the ongoing advancements in AI applications for improved patient care, medical research, and healthcare system optimization.

H M MANJULA

Name &Signature of the Faculty Member

Approval by Program Head

Presidency University, Bengaluru					
Value Added Course Attendence					
School of Information Science					
Course Code :	CSEV124				2021-2022
Course Name :	Importance of AI in healthcare sector				ODD Semester
S. No	Roll No	Name	Total No of classes conducted	Percentage of Attendence	Eligible for Certificate (Y/N)
1	20201BCG0014	NISHANTH GOWDA	30	100%	YES
Name of Course Instructor 1:		H M MANJULA			
Employee ID of Course Instructor 1:					

Presidency University , Bengaluru							
Value Added Course Marksheet							
School of Information Science							
Course Code :	CSEV124		Academic Year :			2021-2022	
Course Name :	Importance of AI in healthcare sector		Semester :			ODD Semester	
			Instructor-in-Charge Name :			Mr.Jobin Thomas	
			Instructor-in-Charge Employee ID :			H M MANJULA	
S. No	Roll No	Name	School (e.g. SoE/SoL etc)	Attendance (in %)	Marks (100)	Eligible for Certificate (Y/N)	Remark
1	20201BCG0014	NISHANTH GOWDA	SOIS	100%	91	YES	NA
Name of Course Instructor 1:		H M MANJULA					

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Registrar

					Signature of Instructor-in-Charge

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Information Science

Name of the Department: Bachelor of Computer Application

Area of Specialization: Computer science

Name of the Faculty: Pallavi M and Praveena K N

Member/Members:

Title of the Value Added Course: Deep Learning Using Keras

Course Duration: [30 hours]

Course Code: CSE V158

[From 12th Feb 2022to 15th Mar 2022]

Prerequisite:

The student is expected to have a basics of Deep learning concepts.

Introduction to the Course:

Deep Learning with Python introduces the field of deep learning using the Python language and the powerful Tensorflow library. You will then learn how to build and train deep neural networks. This course helps you to learn Basics of Neural networks, Perception concepts, cost functions. This course helps to learn Tensorflow library and how to use tensorflow concepts in execution of test cases. You will then focus on Convolutional Neural Networks, RNN, training your model on a GPU and Transfer Learning (pre-trained models). You will finally learn about dimensionality reduction and autoencoders.

Course Outcomes: On successful completion of the course the students shall be able to :

1. Apply knowledge of Deep Neural Networks and related machine learning methods
2. Build and Train Deep Neural Networks using Keras

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3. Build Deep learning pipelines

Course Content:

Week 1: Introduction to Neural Networks:

- Foundational concept of neural networks and deep learning.
- Build, train, and apply fully connected deep neural networks; implement efficient (vectorized) neural networks; identify key parameters in a neural network's architecture; and apply deep learning to your own applications.

Week 2:

- Introduction to Perceptron,
- Neural Network Activation Functions

Week 3:

- Cost Functions
- Gradient Descent Backpropagation

Week 4:

- Introduction to TensorFlow
- Tensorflow basic syntax
- Tensorflow graph

Week 5:

- CNN:Convolutional Neural Networks
- RNN: Recurrent Neural Network

Week 6:

- Autoencoders
- Deep Nets with tensorflow abstraction

and

Name &Signature of the Faculty Member **Approval by the HOD.**

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Presidency University, Bengaluru					
Value Added Course Attendence					
School of Information Science					
Course Code :	CSEV158				2021-2022
Course Name :	Deep Learning Using Keras				ODD Semester
S. No	Roll No	Name	Total No of classes conducted	Percentage of Attendence	Eligible for Certificate (Y/N)
1	20201BCG0001	KUMAR ABHINAV	30	0	NO
2	20201BCG0002	ABHISHEK GOWDA	30	86.67	YES
Name of Course Instructor 1:		Pallavi M			
Employee ID of Course Instructor 1:					
Name of Course Instructor 2:		Praveena K N			
Employee ID of Course Instructor 2:					

Presidency University , Bengaluru							
Value Added Course Marksheet							
School of Information Science							
Course Code :	CSEV158		Academic Year :			2021-2022	
Course Name :	Deep Learning Using Keras		Semester :			ODD Semester	
			Instructor-in-Charge Name :			Mr.Jobin Thomas	
			Instructor-in-Charge Employee ID :			Pallavi M	
S. No	Roll No	Name	School (e.g. SoE/SoL etc)	Attendance (in %)	Marks (100)	Eligible for Certificate (Y/N)	Remark
1	20201BCG0001	KUMAR ABHINAV	SOIS	0	0	N	NA
2	20201BCG0002	ABHISHEK GOWDA	SOIS	86.67	41	Y	NA

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					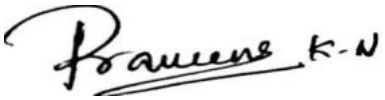
Name of Course Instructor 1:		**Pallavi M , Praveena K N**			
					Signature of Instructor-in-Charge

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(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Information Science

Name of the Department : Bachelor of Computer Application

Area of Specialization: Data Mining

Name of the Faculty Member/Members: Sheethal Aji Mani

Tile of the Value Added Course: Introduction to c# programming

Course Duration: 30 hours ,From February 2022(10th Feb) to March 2022(26th March)

Course Code: CSE V 167

Introduction to the Course:

[Write about a para, indicating the purpose of this course, nature of the course and prerequisites of the course] [It is same as our course description in the course hand out]

The **C#** is one of the Microsoft programming languages. It is the most powerful programming language among all programming languages available in the .NET Framework.This course provides a sound introduction on C# Basics, Structure of C# programs etc.After completion of the course the student will be able to use the features of C#and its various concepts.

Prerequisites: Basic concepts of Object Oriented Programming, Understanding of basic programming concepts

Course Outcomes: On successful completion of the course the students shall be able to :

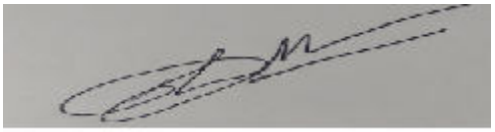
CO1. Understand code solutions and compile C# projects within .Net Framework

CO2. Design and develop professional console and window basedapplications

CO3. Understand and implement classes, objects, methods etc

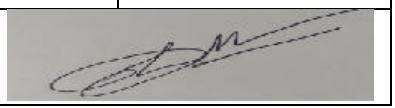
Course Content: [Briefly mention all the important topics to be covered in this course]

Basic structure of C# program, Syntax, Datatypes,Variable, Control Statements, Methods and Properties, static keyword), OOPS in C# (Class & Objects, Constructors. Abstraction , Encapsulation , Inheritence, Polymorphism etc..), Interfaces, Exception Handling, Delegates, Collections etc…

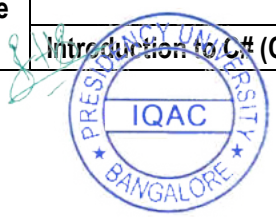


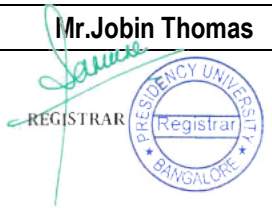
Ms. Sheethal Aji Mani

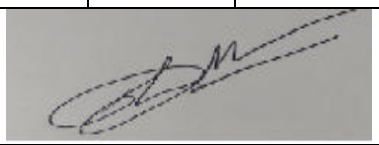
Name &Signature of the Faculty Member **Approval by the HOD.**

Presidency University, Bengaluru					
Value Added Course Attendence					
School of Information Science					
Course Code :	**CSEV167**				**2021-2022**
Course Name :	**Introduction to C# (C sharp)Programming**				**ODD Semester**
S. No	**Roll No**	**Name**	**Total No of classes conducted**	**Percentage of Attendence**	**Eligible for Certificate (Y/N)**
1	20201BCG0004	ADITYA CHOWDHURY	30	80%	YES
2	20201BCG0028	YASH SHARMA	30	80%	YES
3	20201BCV0007	ISHITA RATHOD	30	0%	No
4	20201BCV0012	RAJESHWARI SAHANI	30	90%	yes
Name of Course Instructor 1:		**Ms. Sheethal Aji Mani**			
Employee ID of Course Instructor 1:					

Presidency University , Bengaluru			
Value Added Course Marksheet			
School of Information Science			
Course Code :	**CSEV167**	**Academic Year :**	**2021-2022**
Course Name :		**Semester :**	**ODD Semester**
	Introduction to C# (C sharp)Programming	**Instructor-in-Charge Name :**	**Mr.Jobin Thomas**





			Instructor-in-Charge Employee ID :			Ms. Sheethal Aji Mani	
S. No	Roll No	Name	School (e.g. SoE/SoL etc)	Attendance (in %)	Marks (100)	Eligible for Certificate (Y/N)	Remark
1	20201BCG0004	ADITYA CHOWDHURY	SOIS	80%	63	Y	NA
2	20201BCG0028	YASH SHARMA	SOIS	80%	45	Y	NA
3	20201BCV0007	ISHITA RATHOD	SOIS	0%	AB	N	NA
4	20201BCV0012	RAJESHWARI SAHANI	SOIS	90%	43	Y	NA
							
Name of Course Instructor 1:		Ms. Sheethal Aji Mani					
					Signature of Instructor-in-Charge		

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(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Information Science

Name of the Department: Bachelor of Computer Application

Area of Specialization: Network Security

Name of the Faculty Member: N Nasurudeen Ahamed

Title of the Value Added Course: BLOCKCHAIN BASICS

Course Duration: [30 hours]

Course Code: CSEV177

Introduction to Blockchain Basics: The Blockchain Basics course provides an introduction to the foundational concepts of blockchain technology. Blockchain is a distributed and decentralized ledger technology that allows secure and transparent transactions without the need for a central authority.

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This course is suitable for individuals interested in understanding how blockchain works, its potential applications, and its impact on various industries. It is typically offered in computer science, information technology, finance, and business-related programs.

Prerequisites: There are no strict prerequisites for this course. However, a basic understanding of computer science concepts, networking, and cryptography would be beneficial. Familiarity with the fundamentals of databases and data structures is also helpful.

Course Outcome: Upon completing the Blockchain Basics course, students should be able to:

- Understand Blockchain Fundamentals: Comprehend the foundational principles of blockchain technology, including decentralization, immutability, consensus mechanisms, and cryptographic hashing.
- Explain How Blockchain Works: Describe the step-by-step process of how transactions are recorded and verified on a blockchain, and how blocks are added to the chain.
- Evaluate Blockchain Use Cases: Identify and evaluate potential applications of blockchain technology in different industries, such as finance, supply chain, healthcare, and more.
- Assess Blockchain Security: Understand the security aspects of blockchain, including cryptographic techniques and the prevention of double-spending attacks.
- Differentiate Between Public and Private Blockchains: Compare and contrast public and private blockchains, and understand their respective use cases and benefits.
- Explore Smart Contracts: Learn about smart contracts, their role in blockchain ecosystems, and how they automate processes and execute agreements.
- Discuss Blockchain Challenges and Limitations: Analyze the challenges and limitations of blockchain technology, such as scalability, energy consumption, and regulatory concerns.

Course Contents: The course typically covers the following topics:

- Introduction to Blockchain:
- Definition and history of blockchain.
- Key components and terminology.
- Blockchain Architecture:
- The structure of a blockchain network.
- Nodes, blocks, and the blockchain data structure.
- Consensus Mechanisms:
- Proof-of-Work (PoW) and Proof-of-Stake (PoS) algorithms.
- Other consensus mechanisms, such as Delegated Proof-of-Stake (DPoS) and Practical Byzantine Fault Tolerance (PBFT).
- Blockchain Transactions.

- Programming languages used for smart contract development (e.g., Solidity).
- Blockchain Applications:
- Challenges and potential solutions for scalability and interoperability in blockchain systems.
- Regulatory and Legal Implications:
- Regulatory considerations and legal challenges surrounding blockchain and cryptocurrencies.

The Blockchain Basics course aims to provide a comprehensive introduction to blockchain technology, allowing students to grasp the fundamental concepts, evaluate its potential applications, and understand the challenges and opportunities presented by this transformative technology

Name &Signature of the Faculty Member
N Nasurudeen Ahamed

Approval by Program

Presidency University, Bengaluru					
Value Added Course Attendence					
School of Information Science					
Course Code :	**CSEV177**				**2021-2022**
Course Name :	**Blockchain Basics**				**ODD Semester**
S. No	**Roll No**	**Name**	**Total No of classes conducted**	**Percentage of Attendence**	**Eligible for Certificate (Y/N)**
1	20201BCG0018	ROHITH S	30	0%	NO
2	20191bca0035	Manish	30	64%	YES
Name of Course Instructor 1:		N Nasurudeen Ahamed			
Employee ID of Course Instructor 1:					

Presidency University , Bengaluru			
Value Added Course Marksheet			
School of Information Science			
Course Code :	**CSEV177**	**Academic Year :**	**2021-2022**
Course Name :		**Semester :**	**ODD Semester**
	Blockchain Basics	**Instructor-in-Charge Name :**	**Mr.Jobin Thomas**
		Instructor-in-Charge Employee ID :	

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S. No	Roll No	Name	School (e.g. SoE/SoL etc)	Attendance (in %)	Marks (100)	Eligible for Certificate (Y/N)	Remark
1	20201BCG0018	ROHITH S	SOIS	0%	0	N	NA
2	20191bca0035	Manish	SOIS	64%	51	Y	NA
Name of Course Instructor 1:		**N Nasurudeen Ahamed**					
					Signature of Instructor-in-Charge		

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(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Information Science

Name of the Department: Bachelor of Computer Application

Area of Specialization: Machine Learning

Name of the Faculty Members: Ms. Sterlin Minish T N

Title of the Value Added Course: Machine Learning Tools

Course Duration: [40 hours] [From 01.02.2022 TO 04.03.2022]

Course Code: CSEV185

PROGRAM OUTCOMES: [Mark the relevant POs in Bold and mention the relevance level to the course (H, M, L) in bracket]

Undergraduate engineering programme are designed to prepare graduates to attain the following program outcomes:

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1. **PO 1.Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

2. **PO2.Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

3. **PO3.Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

4. **PO4.Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

5. **PO5.Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

6. **PO6.The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

7. PO7.Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

8. PO8.Ethics**:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9. PO9.Individual and team work**:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

10. PO10.Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

11. PO11.Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

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12. **PO12.Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

COURSE PREREQUISITES:

Knowledge on Data Mining, Machine Learning, Statistics and Probability.

COURSE DESCRIPTION:

An introduction to the use and application of key machine learning tools. Students will learn to build software that uses pre-existing toolkits as appropriate to solve a variety of machine learning problems. The course will have a practical focus using case studies and worked examples, with an emphasis on ensuring that solutions are valid and verifiable.

COURSE OBJECTIVES:

1. To identify the scope and importance of Machine Learning.

2. To analyze dataset, choose relevant models and algorithms.

3. To develop research interest towards advances in Machine Learning.

Course Outcomes:

On successful completion of the course the students shall be able to :

01 Understand Machine Learning principles.

02 Identify appropriate Machine Learning algorithms to solve real world problems.

03 Compare and evaluate different Learning techniques like classification, prediction,Clustering.

COURSE CONTENT:

Syllabus

Module 1: Introduction to Machine Learning [14] (Knowledge)

Introduction to Machine Learning, Regression Techniques: Linear regression, Multiple Linear regression,Subset selection, Shrinkage methods, Principal Component Regression, Decision trees, Categorical Attributes, Multiway Splits, Missing Values, Decision Trees - Instability Evaluation Measures. Ensemble Methods: Bagging and Boosting, Bayesian Networks, **Clustering:** Partitional Clustering and Hierarchical Clustering

Module 2: Tools Description [10] (Application)

Introduction of datasets, Tools for Analytics: Weka Tool, Rapid miner, R Tool, Keras and Tensor Flow.

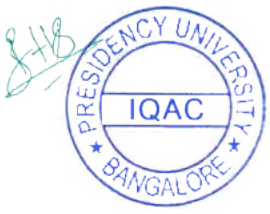
Module 3 : Analytics on Tools [10] (Application)

Implementation and Analytics on Weka Tool and Rapid miner and other tools

Ms. Sterlin Minish T N

Name & Signature of the Faculty **Approval by the Asso.**

Presidency University, Bengaluru					
Value Added Course Attendence					
School of Information Science					
Course Code :	**CSEV185**				**2021-2022**
Course Name :	**Machine Learning(Tools)**				**ODD Semester**
S. No	**Roll No**	**Name**	**Total No of classes conducted**	**Percentage of Attendence**	**Eligible for Certificate (Y/N)**
1	20201BCG0001	KUMAR ABHINAV	30	90%	YES
2	20191BCA0014	PUCHA VIJAY KUMAR REDDY	30	0	NO
3	20191BCA0033	PUTTA TEJESWAR REDDY	30	0	NO
4	20191BCA0036	BANDARU SASIKIRAN	30	0	NO
5	20201BCV0020	GAJJALA VAMSI	30	0	NO
6	20201BCV0023	VASHINAVI REDDY	30	0	NO
Name of Course Instructor 1:		**Ms. Sterlin Minish T N**			
Employee ID of Course Instructor 1:					



Presidency University , Bengaluru							
Value Added Course Marksheet							
School of Information Science							
Course Code :	CSEV185		Academic Year :			2021-2022	
Course Name :	Machine Learning(Tools)		Semester :			ODD Semester	
			Instructor-in-Charge Name :			Mr.Jobin Thomas	
			Instructor-in-Charge Employee ID :			Ms. Sterlin Minish T N	
S. No	Roll No	Name	School (e.g. SoE/SoL etc)	Attendance (in %)	Marks (100)	Eligible for Certificate (Y/N)	Remark
1	20201BCG0001	KUMAR ABHINAV	SOIS	90%	65	YES	NA
2	20191BCA0014	PUCHA VIJAY KUMAR REDDY	SOIS	0	0	NO	NA
3	20191BCA0033	PUTTA TEJESWAR REDDY	SOIS	0	0	NO	NA
4	20191BCA0036	BANDARU SASIKIRAN	SOIS	0	0	NO	NA
5	20201BCV0020	GAJJALA VAMSI	SOIS	0	0	NO	NA
6	20201BCV0023	VASHINAVI REDDY	SOIS	0	0	NO	NA
Name of Course Instructor 1:		Ms. Sterlin Minish T N					

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GAIN MORE KNOWLEDGE REACH GREATER HEIGHTS

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Information Science

Name of the Department: Bachelor of Computer Applications

Area of Specialization: Network Security

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Name of the Faculty Member: Mr.Yogesh Gajmal

Title of the Value Added Course: Data Secrecy using Cryptology

Course Duration: [30 hours]

Course Code: CSEV223

Introduction to the Course:

A course on Data Secrecy using Cryptology focuses on the principles of cryptography and its applications in securing data and communication in various systems. Cryptology is the science of encoding and decoding information to protect its confidentiality, integrity, and authenticity.

The prerequisites include:

- Basic computer systems and networks: Understanding how computers and networks work is essential for understanding how to secure them.
- Algorithms and data structures: Cryptography relies heavily on mathematical algorithms, so a solid understanding of these is necessary.
- Probability and statistics: Many cryptographic algorithms rely on randomness, so a basic understanding of probability and statistics is helpful.
- Number theory: Many cryptographic algorithms are based on number theory, so a basic understanding of this area of mathematics is helpful.
- Logic and discrete mathematics: Understanding the foundations of computer science and mathematics is helpful for understanding the theoretical foundations of cryptography and computer security.
  It's also important to keep in mind that computer security and cryptography are constantly evolving fields, and staying up-to-date with the latest research and developments is important for staying current in the field.

Course Contents:

1. **Introduction to Cryptography:**
   - Historical overview of cryptography.
   - Basic concepts and terminology (plaintext, ciphertext, encryption, decryption, etc.).
   - Types of cryptography (symmetric, asymmetric, hashing).
2. **Symmetric Key Cryptography:**
   - Symmetric encryption algorithms (e.g., AES, DES, 3DES).
   - Modes of operation (ECB, CBC, CTR, etc.).
   - Key management and distribution.
3. **Asymmetric Key Cryptography:**

- Public key encryption (RSA, ElGamal, etc.).
- Digital signatures and their applications.
- Key exchange algorithms (Diffie-Hellman).

4. **Cryptographic Hash Functions:**
    - Properties of hash functions.
    - Hash-based message authentication codes (HMAC).
    - Applications of cryptographic hash functions.
5. **Cryptographic Protocols:**
    - SSL/TLS for secure communication on the web.
    - IPsec for securing network communication.
    - Secure email protocols (PGP/GPG, S/MIME).
6. **Data Integrity and Authentication:**
    - Message authentication codes (MAC) and digital signatures.
    - Authentication protocols and mechanisms.
7. **Cryptanalysis:**
    - Introduction to cryptanalysis and attacks on cryptographic systems.
    - Classical cryptography attacks (e.g., brute-force, frequency analysis).
    - Public key infrastructure (PKI) and certificate management.
8. **Cryptographic Applications:**
    - Virtual Private Networks (VPNs) and their security.
    - Disk and file encryption techniques.
    - Database encryption and secure storage.
9. **Post-Quantum Cryptography (Optional):**
    - Introduction to quantum computing and its implications for cryptography.
    - Post-quantum cryptographic algorithms.
10. **Cryptography in Blockchain (Optional):**
    - Cryptography in the context of blockchain technology.
    - Digital assets, digital signatures, and consensus algorithms.

Course Outcome:

Upon completing the Data Secrecy using Cryptology course, students should be able to:

1. **Understand Cryptographic Concepts:** Demonstrate a thorough understanding of fundamental cryptographic concepts, algorithms, and protocols.
2. **Apply Cryptography Techniques:** Implement various cryptographic algorithms and protocols to secure data and communications.
3. **Evaluate Cryptographic Solutions:** Analyze the strengths and weaknesses of cryptographic solutions for different use cases.
4. **Design Secure Systems:** Design and develop secure systems by applying appropriate cryptographic techniques.
5. **Assess Cryptographic Risks:** Identify potential risks and vulnerabilities in cryptographic implementations and propose suitable countermeasures.
6. **Comprehend Emerging Trends:** Stay informed about emerging trends in cryptography, such as post-quantum cryptography and its implications.

7. **Work with Security Standards:** Apply cryptographic standards and best practices for secure data handling and communication.
8. **Contribute to Cybersecurity Efforts:** Contribute to cybersecurity efforts by understanding and applying cryptographic techniques for data secrecy and privacy.

By the end of the course, students should be well-equipped to handle cryptographic challenges in various domains, such as cybersecurity, secure communications, digital signatures, and secure storage. Additionally, they will have a solid foundation to pursue advanced topics in cryptography and contribute to the ongoing advancements in the field of data secrecy and security.

Name &Signature of the Faculty Member

Approval by Program Head

Mr.Yogesh Gajmal

Presidency University, Bengaluru					
Value Added Course Attendence					
School of Information Science					
Course Code :	**CSEV185**				**2021-2022**
Course Name :	**Machine Learning(Tools)**				**ODD Semester**
S. No	**Roll No**	**Name**	**Total No of classes conducted**	**Percentage of Attendenc**	**Eligible for Certificate (Y/N)**
1	20201BCG0024	TANAY DESHMUKH	30	100%	YES
Name of Course Instructor 1:		Mr.Yogesh Gajmal			
Employee ID of Course Instructor 1:					

Presidency University , Bengaluru			
Value Added Course Marksheet			
School of Information Science			
Course Code :	**CSEV185**	**Academic Year :**	**2021-2022**

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

Course Name :	Machine Learning(Tools)		Semester :			ODD Semester	
			Instructor-in-Charge Name :			Mr.Jobin Thomas	
			Instructor-in-Charge Employee ID :			Mr.Yogesh Gajmal	
S. No	Roll No	Name	School (e.g. SoE/SoL etc)	Attendance (in %)	Marks (100)	Eligible for Certificate (Y/N)	Remark
1	20201BCG0024	TANAY DESHMUKH	SOIS	100%	87	YES	NA
Name of Course Instructor 1:		Mr.Yogesh Gajmal